

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐
 b. Type of Well
 Oil Well ☐ Gas Well ☒ Other Coalbed Methane ☐ Single Zone ☐ Multiple Zone ☐

2. Name of Operator

River Gas of Utah, Inc. (205) 759-3282

3. Address of Operator

12031 Lake Nicol, Tuscaloosa, Alabama 35406

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

877 FEL 1683 FSL NE/4 of SE/4

At proposed prod. zone

same

14. Distance in miles and direction from nearest town or post office*

Three (3) miles Southwest of Price Utah

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drilg. line, if any)

877 FEL

16. No. of acres in lease

485.9

17. No. of acres assigned to this well

160

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

2000 FRSO

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5721 surveyed elevation

22. Approx. date work will start*

May 1, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	300'	200 sx
7-7/8"	5-1/2"	17#	2000'	340 sx

TECHNICAL REVIEW

Engr. JM 5-18-91
 Geol. D 5/10/91
 Surface BA 5/10/91

RECEIVED

APR 19 1991

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Michael J. Farrens

Title Vice President-Utah Operations Date 04-17-91

(This space for Federal or State office use)

API NO. 43-007-30130

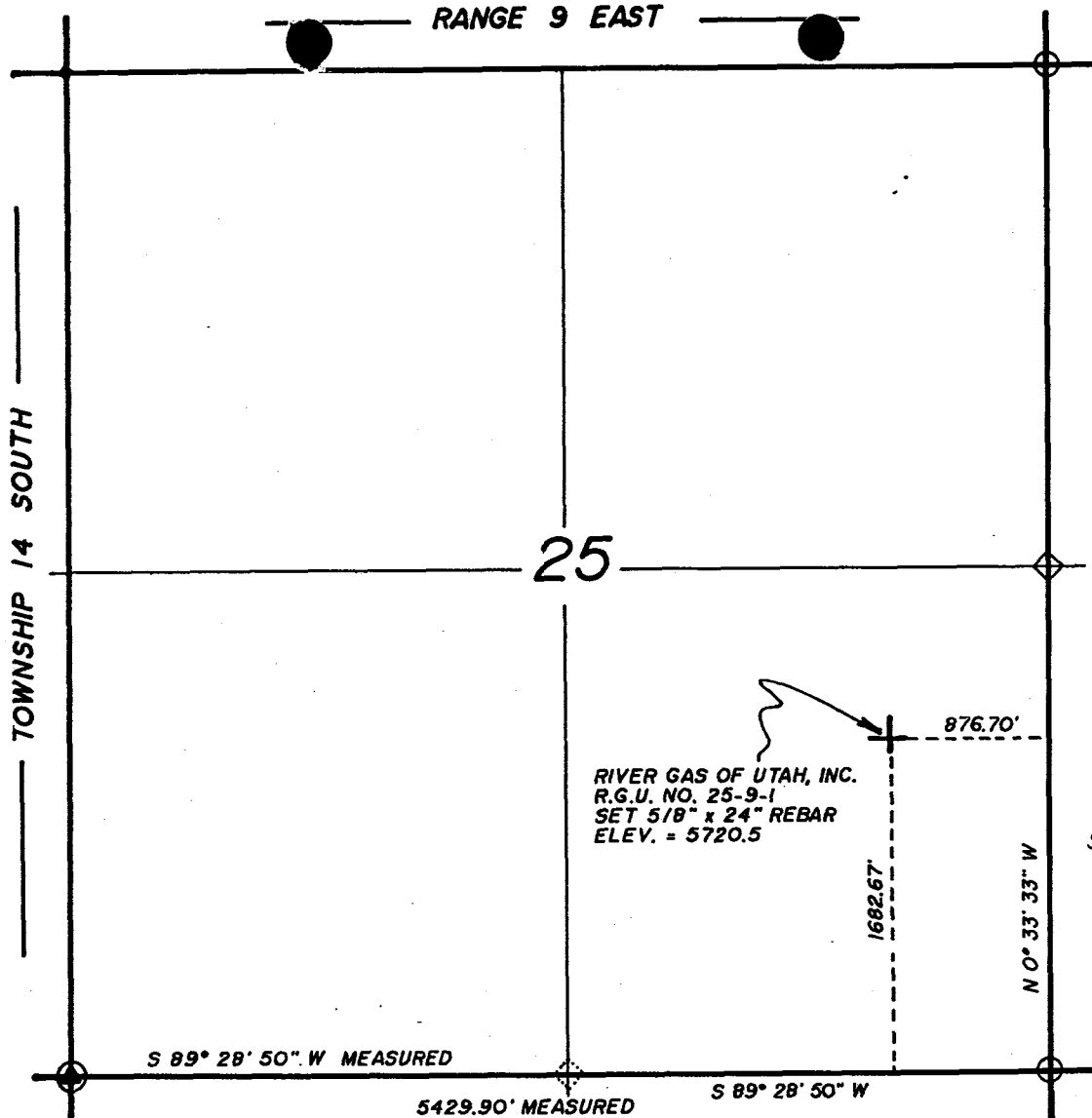
Approval Date

APPROVED BY THE STATE
OF UTAH
OF OIL, GAS & MINING

Approved by _____
Conditions of approval, if any: _____

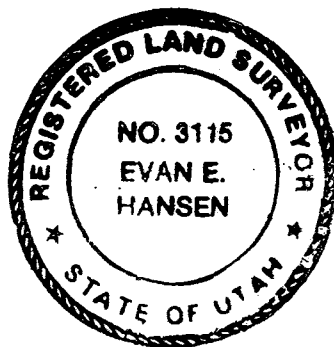
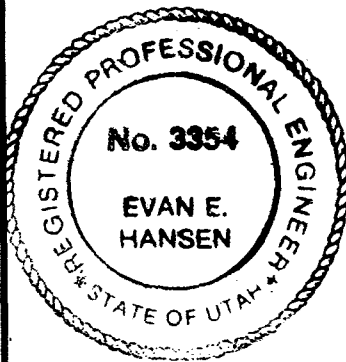
Title _____

DATE 5-31-91
 BY: JM Matthews
 WELL SPACING 615-2-3



RIVER GAS OF UTAH, INC.
R.G.U. NO. 25-9-1
SET 5/8" x 24" REBAR
ELEV. = 5720.5

SCALE: 1" = 1000'



ENGINEER'S CERTIFICATE

I, EVAN E. HANSEN, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND PROFESSIONAL ENGINEER HOLDING CERTIFICATES NO. 3115 AND NO. 3354 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE MADE A SURVEY OF THE TRACT OF GROUND SHOWN AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

BASIS OF BEARING

BASIS OF BEARING N 0° 33' 33" W RECORDED BETWEEN THE EAST QUARTER CORNER AND THE SOUTHEAST CORNER OF SECTION 25, TOWNSHIP 14 SOUTH, RANGE 9 EAST, SALT LAKE BASE AND MERIDIAN AND IS THE UTAH STATE PLANE COORDINATE SYSTEM AS ESTABLISHED BY THE CARBON COUNTY SURVEYOR'S OFFICE.

LEGEND

- ⊙ FOUND ROCK SECTION CORNER
- FOUND BRASS CAP SECTION CORNER
- ◇ FOUND BRASS CAP QUARTER CORNER
- ◇ SEARCHED FOR BUT NOT FOUND

SECTION 25 T 14 S, R9E, SLB 8 M.

Empire Engineering

1665 E. SAGEWOOD RD. PRICE, UT. 84501

RIVER GAS OF UTAH, INC.
R.G.U. NO. 25-9-1

Evan E. Hansen
EVAN E. HANSEN

APRIL 5, 1991
DATE

Drawn By: TH

Approved By: EEH

Drawing No.

Date: 4-5-91

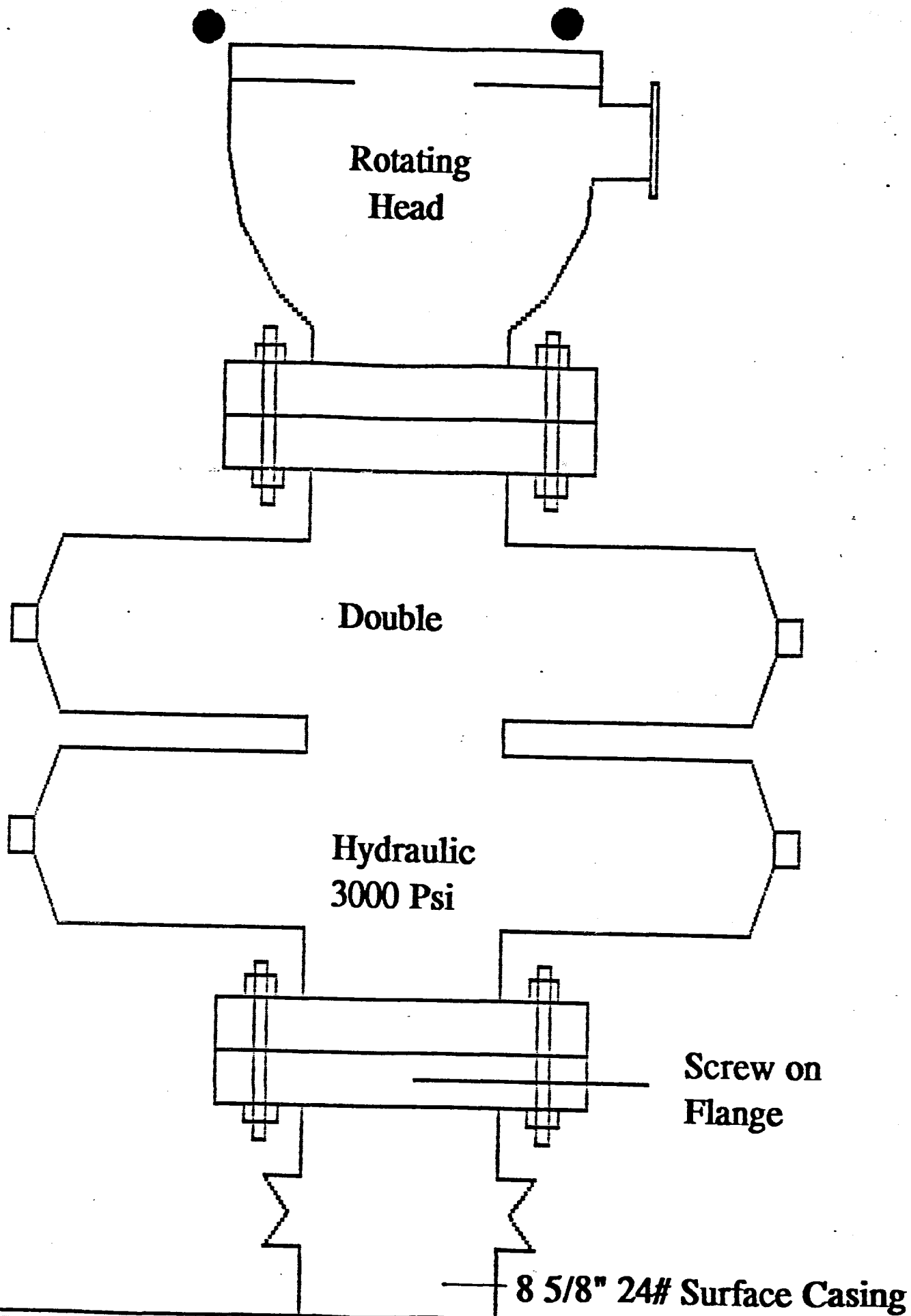
Scale: 1" = 1000'

EEOG-103 A

RIVER GAS OF UTAH, INC.
— ADDITIONAL DRILLING INFORMATION —
ATTACHMENT #2

RE: Use of Water During Drilling Operations

As stated, water which we will be using is to be purchased from the Price River Water Improvement District (Tel. 801-637-6350). This has been arranged by Mr. Michael J. Farrens, Drilling Supervisor for River Gas of Utah, Inc. He has been in contact with Mr. Phillip Palmer. Mr. Farrens has discussed this arrangement with Mark Page of the Division of Water Rights (Tel. 801-637-1303) over the telephone. The Division of Water Rights is to furnish the Oil & Gas Division with a letter of approval concerning this matter.



DESIGNATION OF AGENT OR OPERATOR - FORM 5

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: STATE OF UTAH

LEASE NUMBER: 39335

and hereby designates

NAME: RIVER GAS OF UTAH, INC.

ADDRESS: 3600 Watermelon Road, Suite 204, Northport, Alabama 35476

as his agent/operator, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to (describe acreage to which this designation is applicable):

Township 14 South, Range 9 East, SLM.

Section 25: SE/4

Section 36: N/2

containing 480.00 acres, more or less,
Carbon County, Utah

COPY

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees promptly to notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation 1-15-91

By: R. L. Lunn

(signature)

Company TEXACO INC.

Title: Attorney-in-Fact

Address P. O. Box 2100

(303) 793-4047

Denver, Colorado 80201

Phone: _____

DESIGNATION OF OPERATOR

COPY

The undersigned is, on the records of the Department of Natural Resources, Division of State Lands & Forestry, holder of lease. ML 39335 :

and hereby designates

NAME: River Gas of Utah, Inc.
ADDRESS: 3600 Watermelon Road, Suite 204, Northport, Alabama 35476

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Division of State Lands & Forestry or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (described acreage to which this designation is applicable):

Township 14 South, Range 9 East, SLM.

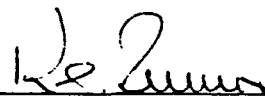
Section 25: SE/4
Section 36: N/2

containing 480.00 acres, more or less, Carbon County, Utah
It is understood that this designation of operator does not relive the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands & Forestry or his representative.

The lessee agrees promptly to notify the Division of State Lands & Forestry of any change in the designated operator.

TEXACO INC.



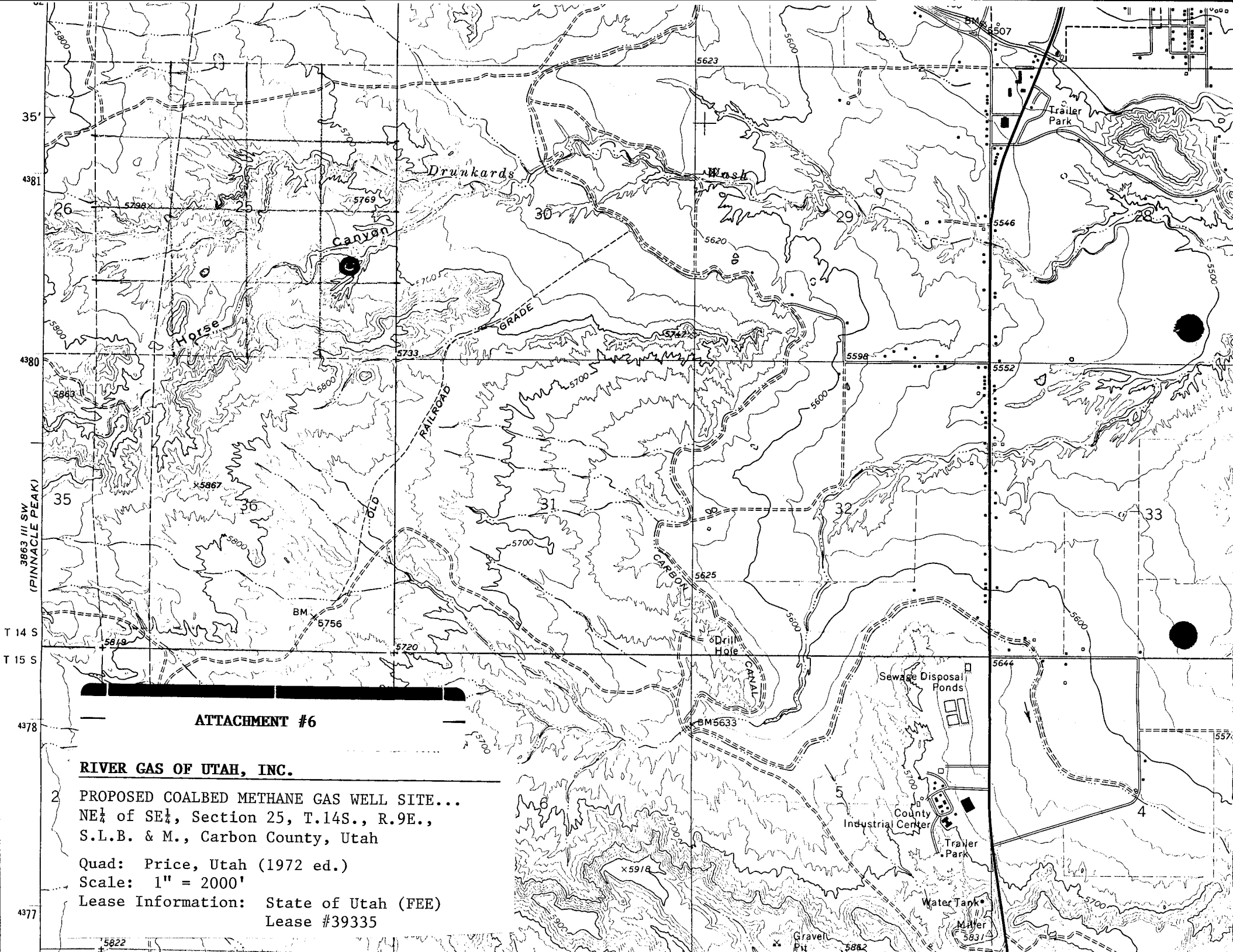
Attorney-in-fact (Signature of Lessee)

January 15, 1991

(Date)

P. O. Box 2100
Denver, Colorado 80201

(Address)



ATTACHMENT #6

RIVER GAS OF UTAH, INC.

2 PROPOSED COALBED METHANE GAS WELL SITE...
NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Section 25, T.14S., R.9E.,
S.L.B. & M., Carbon County, Utah

Quad: Price, Utah (1972 ed.)

Scale: 1" = 2000'

Lease Information: State of Utah (FEE)
Lease #39335

RIVER GAS OF UTAH, INC.
Attachment #7
Prepared by Michael J. Farrens

Additional Drilling Information

Utah 25-9-1

877 FEL and 1683 FSL
Section 25, Township 14 South, Range 9 East, Carbon County, Utah

**R615-3-4 Permitting of Wells to be Drilled, Deepened or Plugged
Back**

2.1 Telephone numbers for additional information:

Michael J. Farrens	205/759-3282	Office
Drilling Supervisor	205/758-8535	Home
Joseph L. Stephenson	205/759-3282	Office
Land Manager		
David M. Chambers	205/759-3282	Office
President	205/759-3282	Home

2.2 State Lease: Serial No. 39335

2.3 This gas well will be drilled in a Federal Unit.
The Unit name is Drunkards Wash Unit. The Unit No.
is UTU 67921X.

2.4 Survey Plat: See attachment #1

2.5 Water will be purchased from Price River Water
Improvement District: See attachment #2.

2.6 Drilling program.

- 2.6.1 The following geologic units are expected to be penetrated in the well.

<u>Formation/Unit</u>	<u>Depth (ft)</u>
Upper Mancos Shale	Surface
Marker Bed	1530
Ferron Coal	1630
Ferron Coals	1650
Ferron Sand	1655
Ferron Coal (Big)	1680
Ferron Coal (Big)	1715
TD	2000

- 2.6.2 The Ferron Coals and lower Ferron Sandstone will be the only gas and water bearing formations. The top is 1587, bottom 1833. 5-1/2" 17# K55 casing will be run and cemented with 200 sacks light cement and tail-in with 100 sacks class "A".

- 2.6.3 A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2100 psi or 70% of the minimum internal yield pressure. All test will be recorded in a Driller Report Book. Physical operation of BOP's will be checked on each trip.
See attachment #3 for Schematic.

- 2.6.4 None.

- 2.6.5 Mud Program:

0-300	12-1/4" hole	Drill with fresh water and gel sweeps as necessary.
300-2000	7-7/8" hole	Drill with air. 400 psi @ 1500-1800 Scf. Mud logger will be on hole to monitor for gas and CO ₂ .

- 2.6.6 Logging Program:

Depth

0-300	Gamma Ray
300-2000	Gamma Ray, Density, Neutron porosity, Sonic, Caliper

- 2.6.7 We expect 900 psi for bottom hole pressure.
No other hazards are expected.

BENEFICIARY:
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE LANDS AND FORESTRY
#3 TRIAD CENTER SUITE 400
355 WEST TEMPLE
SALT LAKE CITY, UTAH 84180-1204

DECEMBER 14, 1990
LETTER OF CREDIT NO: 5304606

RIVER GAS OF UTAH, INC.

ATTACHMENT #8

Page 1 of 2

GENTLEMEN:

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT IN FAVOR OF THE DIRECTOR OF THE DIVISION OF STATE LANDS AND FORESTRY OF THE STATE OF UTAH FOR THE ACCOUNT OF RIVER GAS OF UTAH, INC. 12031 LAKE NICOL ROAD, TUSCALOOSA, ALABAMA 35406 FOR THE AGGREGATE AMOUNT OF EIGHTY THOUSAND DOLLARS (\$80,000.00) AVAILABLE BY YOUR DRAFTS AT SIGHT ON THE BANK WHEN DRAWN IN ACCORDANCE WITH THE TERMS AND ACCOMPANIED BY THE DOCUMENTS LISTED UNDER PART C BELOW:

A. THIS LETTER OF CREDIT IS ISSUED BECAUSE THE OPERATOR IS OR WILL BE ENGAGED IN DRILLING, REDRILLING, DEEPENING, REPAIRING, OPERATING AND PLUGGING AND ABANDONMENT A WELL OR WELLS AND RESTORING THE WELL SITE OR SITES ON LANDS OWNED BY THE STATE OF UTAH FOR THE PURPOSES OF OIL OR GAS PRODUCTION AND/OR THE INJECTION AND DISPOSAL OF FLUIDS IN CONNECTION THEREWITH FOR THE FOLLOWING DESCRIBED LAND OR WELL:

TO COVER ALL WELLS DRILLED ON LAND OWNED BY THE STATE OF UTAH.

B. THIS LETTER OF CREDIT IS SPECIFICALLY ISSUED AT THE REQUEST OF THE OPERATOR TO ASSURE THAT THIS FUND WILL BE AVAILABLE DURING THE TIME THAT THE WELLS REFERENCED ABOVE ARE ACTIVE. WE ARE NOT A PARTY TO, NOR BOUND BY, THE TERMS OF ANY AGREEMENT BETWEEN YOU AND THE OPERATOR OUT OF WHICH THIS LETTER OF CREDIT MAY ARISE.

C. DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST BE ACCOMPANIED BY AN AFFIDAVIT SIGNED BY THE DIRECTOR OF THE DIVISION OF STATE LANDS AND FORESTRY STATING THAT:

1. ANY WELL IS DEEMED NECESSARY FOR PLUGGING AND ABANDONMENT AND THE OPERATOR HAS NOT FULFILLED SUCH OBLIGATION UNDER THE OIL AND GAS CONSERVATION GENERAL RULES OF THE STATE OF UTAH.
2. THE DRAFT IS IN THE ESTIMATED COST OF PLUGGING EACH WELL UP TO THE AGGREGATE AMOUNT OF THE LETTER OF CREDIT.

WE WILL BE ENTITLED TO RELY UPON THE STATEMENTS CONTAINED IN THE AFFIDAVIT AND WILL HAVE NO OBLIGATION TO INDEPENDENTLY VERIFY ANY STATEMENTS CONTAINED THEREIN.

*****CONTINUED ON NEXT PAGE*****

Amsouth Bank N.A.

1830 5th Avenue North

Birmingham, Alabama 35203-2810 USA

International Department

TELEX: 8827189

Cable: AMSOUBK5HM

S.W.J.F.T.AMSB US 44

RIVER GAS OF UTAH, INC.

ATTACHMENT #8

Page 2 of 2

BENEFICIARY:

STATE OF UTAH, DIVISION OF STATE

PAGE 02

DECEMBER 14, 1990

LETTER OF CREDIT NO 8304606

EACH DRAFT HEREUNDER MUST BE LISTED AND ENDORSED ON THE REVERSE SIDE OF THIS LETTER OF CREDIT, AND THIS LETTER OF CREDIT MUST BE ATTACHED TO THE LAST DRAFT WHEN THE CREDIT HAS BEEN EXHAUSTED. DRAFTS MAY BE PRESENTED AT THE OFFICE OF THIS BANK NO LATER THAN 2:00 P.M. BIRMINGHAM ALABAMA TIME ON DECEMBER 13, 1991, AND BEAR THE CLAUSE "DRAWN UNDER THE AMSOUTH BANK N.A., BIRMINGHAM, ALABAMA, BANK LETTER OF CREDIT NO. 8304606, DATED DECEMBER 14, 1990".

WE HEREBY ENGAGE WITH THE BONA FIDE HOLDERS OF THIS DRAFT AND/OR DOCUMENTS PRESENTED UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT THAT SUCH DRAFT AND/OR DOCUMENTS WILL BE DULY HONORED UPON PRESENTATION TO US. OUR OBLIGATIONS HEREUNDER SHALL NOT BE SUBJECT TO ANY CLAIM OR DEFENSE BY REASON OF THE INVALIDITY, ILLEGALITY, OR UNENFORCEABILITY OF ANY OF THE AGREEMENTS UPON WHICH THIS LETTER OF CREDIT IS BASED.

THIS LETTER OF CREDIT IS SUBJECT TO UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY CREDITS (1983 REVISION) ICC PUBLICATION NO. 400.

Shelly A. Brakefield
AUTHORIZED SIGNATURE

Jeanne B. Hoover
AUTHORIZED SIGNATURE



RIVER GAS OF UTAH, INC.

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188

April 18, 1991

UNITED PARCEL SERVICE

RECEIVED

APR 19 1991

**DIVISION OF
OIL GAS & MINING**

Mr. Brad Hill
Utah Board of Oil, Gas and Mining
Suite 350, 3 Triad Center
355 West North Temple
Salt Lake City, Utah 84180-1203

RE: Coalbed Methane Well Permit Application -
Utah 25-9-1, NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Section 25, T.14S., R.10E.,
S.L.B. & M., Carbon County, Utah

Dear Mr. Hill:

Enclosed is an original and a copy of an Application for Permit to Drill (APD) as described above. Attached to this APD is the following information:

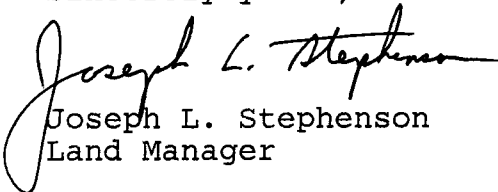
- Attachment #1 - Copy of survey plat of proposed well site
- Attachment #2 - Information regarding use of water at the site.
- Attachment #3 - Schematic of BOPE
- Attachment #4 - Copy of Designation of Agent or Operator ("Form 5") (original submitted with previous RGU #1 permit)
- Attachment #5 - Copy of Designation of Operator form previously sent to State Lands and Forestry Division
- Attachment #6 - Portion of topographical map indicating proposed well site
- Attachment #7 - Additional drilling information furnished according to State regulations.
- Attachment #8 - Evidence of bond sent to State Lands and Forestry Division

Mr. Brad Hill
April 18, 1991
Page Two

Also, please accept this letter as our request that all information be kept confidential that is eligible for such consideration regarding this permit. This request is made in accordance with your regulation R615-2-11.

I will call you after you have had an opportunity to review this request. In the meantime, if you have any questions, please call me.

Sincerely yours,


Joseph L. Stephenson
Land Manager

Enc.

cc: Mr. Edward W. Bonner

CONFIDENTIAL

OPERATOR Bull Gas of Utah Inc N-1000 DATE 5-10-91

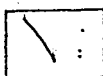
WELL NAME State of Utah 05-9-1

SEC NESE 05 T 14S R 9E COUNTY Carbon

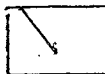
43-007-30130
API NUMBER

State (3)
TYPE OF LEASE

CHECK OFF:



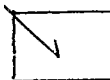
PLAT.



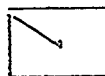
BOND



NEAREST
WELL



LEASE



FIELD
SLBM



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

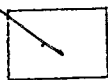
No PAD needed for this well per Bob Hendricks BLM
Water Permit

ROCC 5-10-91

Permit 5-10-91 (Geology review) 5-10-91

APPROVAL LETTER:

SPACING:

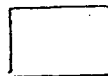


R615-2-3

Dunkards Wash
UNIT



R615-3-2



N/A
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

cc: State History

State Lands

+ Water Permit

CONFIDENTIAL

PERIOD

EXPIRED

ON 9-29-93

1. A berm should be constructed on
north side of location to prevent
run-off from location into wash

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> b. Type of Well Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Coalbed Methane <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			5. Lease Designation and Serial No. ML 39335 6. If Indian, Allottee or Tribe Name N/A 7. Unit Agreement Name Drunkards Wash Unit #UTU67921X 8. Farm or Lease Name State of Utah 9. Well No. 25-9-1 10. Field and Pool, or Wildcat Wildcat 11. 00, Sec., T., R., M., or Blk. and Survey or Area Section 25 - T14S- R9E S.L.B. & M. 12. County or Parish 13. State Carbon Utah		
2. Name of Operator River Gas of Utah, Inc. (205) 759-3282 3. Address of Operator 12031 Lake Nicol, Tuscaloosa, Alabama 35406 4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 877 FEL 1683 FSL NE/4 of SE/4 At proposed prod. zone same			14. Distance in miles and direction from nearest town or post office* Three (3) miles Southwest of Price Utah 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drilg. line, if any) 877 FEL 16. No. of acres in lease 485.9 17. No. of acres assigned to this well 160 18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 2000 19. Proposed depth 2000 20. Rotary or cable tools Rotary 21. Elevations (Show whether DF, RT, GR, etc.) 5721 surveyed elevation 22. Approx. date work will start* May 1, 1991		
23. PROPOSED CASING AND CEMENTING PROGRAM					
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement	
12-1/4"	8-5/8"	24#	300'	200 sx	
7-7/8"	5-1/2"	17#	2000'	340 sx	

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signature: Michael J. Farrens Title: Vice President-Utah Operations Date: 04-17-91

(This space for Federal or State office use)

API NO. _____ Approval Date _____
/S/ WILLIAM C. STRINGER MAY 15 1991

Approved by _____ Title _____ Date _____
 Conditions of approval, if any: _____

APPROVED FOR UNIT PURPOSES ONLY

*See Instructions On Reverse Side

(3/89)

APPROVE FOR UNIT PURPOSES: RLJ 4/24/91

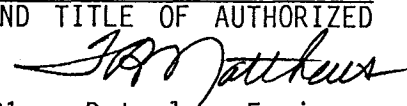
RIVER GAS OF UTAH, INC.
ADDITIONAL DRILLING INFORMATION
ATTACHMENT #2

RE: Use of Water During Drilling Operations

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STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:
May 1, 1991
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition
☐ Land Sale ☐ Land Exchange ☐ Other
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
7. DESCRIPTION:
River Gas of Utah, Inc. proposes to drill the Drunkards Wash Unit ~~#UT067921*~~ well (wildcat) on state lease ML 39335 Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county)
NE/4, SE/4, Section 25, Township 14 South, Range 9 East, Carbon County, Utah
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
Degree of impact is based on the discovery of oil or gas in commercial quantities.
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:
Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL

DATE: 5-13-91 Petroleum Engineer

WOI187



Norman H. Bangerter
Governor
Max J. Evans
Director

State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development
300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755
FAX: 801-364-6436

May 21, 1991

RECEIVED

MAY 23 1991

DIVISION OF
OIL GAS & MINING

Michael J. Farrens
Vice President
Utah Operations
River Gas of Utah, Inc.
3600 Watermelon Road, Suite 204
Northport, Alabama 35476

RE: Utah 25-9-1, Utah 36-1-2

In Reply Please Refer to Case No. 91-0524

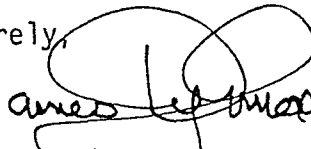
2 wells - River Gas of Utah, Inc.
Sec. 25, T. 14S, R. 9E * State of Utah 25-9-1
Sec. 36, T. 14S, R. 9E * State of Utah 36-1-2
vrs

Dear Mr. Farrens:

The Utah State Historic Preservation Office received the above referenced report on May 14, 1991. After review of the project; our office would not recommend a cultural resources survey of the project area, because of the location of the project and previous survey data.

This information is provided on request to assist River Gas of Utah, Inc. with its Section 106 responsibilities as specified in 36 CFR 800. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,


James L. Dykman
Regulation Assistance Coordinator

JLD:91-0524 OR/NE

c: Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

c: Division of State Lands & Forestry
3 Triad Center, Suite 400
Salt Lake City, UT 84180-1204

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: RIVER GAS OF UTAH WELL NAME: STATE 25-9-1
SECTION: 25 TWP: 14 S. RNG: 9E LOC: 1683 FSL 877 FEL
QTR/QTR NE/SE COUNTY: CARBON FIELD: DRUNKARDS WASH UNIT
SURFACE OWNER: STATE OF UTAH
SPACING: DRUNKARDS WASH UNIT
INSPECTOR: BRAD HILL DATE AND TIME: 5/7/91 11:30

PARTICIPANTS: Dan Jarvis-DOGM; Doug Rowan-River Gas; Evan Hansen-Empire Engineering; Bob Johnson & Ron Hall-Boyles Bros. Drilling; Larry Jensen-Nelco Const., Ken Phippen-State Wildlife

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in an area which lies in the transition between the Mancos Lowland to the east and the Wasatch Plateau to the west. The location is on flat area in the middle of multiple deep washes. The location will be moved to the southeast approximately 500'-600'. If this should prove to be an exception location it should be granted for topographic reasons. A new plat will be sent to the Division when the new location is surveyed. The new location will place the deep washes to the north of location.

LAND USE:

CURRENT SURFACE USE: None

PROPOSED SURFACE DISTURBANCE: A 150'X 100' rectangular pad will be constructed. A 30'X 15' pit will be included on the pad. A .5 mile access road will be constructed.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Greasewood, Sage, Short salt bush, Sparse grasses/Deer, Rabbits

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clay soil derived from Mancos shale.

SURFACE FORMATION & CHARACTERISTICS: Mancos Shale

EROSION/SEDIMENTATION/STABILITY: No erosion or sedimentation at present. Location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Ferron Coal 1630'-2000'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: To be done.

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: Six inches of "topsoil" will be stockpiled for reclamation. Area will be reseeded as per State Lands instructions.

RESERVE PIT

CHARACTERISTICS: A reserve pit will be built on location with dimensions of 30'X 15'X 8'.

LINING: No liner will be required by the Division. River Gas has stated that a 6 mil synthetic liner will be installed.

MUD PROGRAM: surface to 300'/water with gel sweeps; 300' to 2000'/air drilled

DRILLING WATER SUPPLY: Price River Water Improvement District

STIPULATIONS FOR APD APPROVAL

North side of location, near wash should be bermed to prevent run off from location from entering wash.

ATTACHMENTS

Photographs will be placed on file.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 31, 1991

River Gas of Utah, Inc.
12031 Lake Nicol
Tuscaloosa, Alabama 35406

Gentlemen:

Re: State of Utah 25-9-1 Well Drunkards Wash Unit, 1683 feet from the South line, 877 feet from the East line, NE SE, Section 25, Township 14 South, Range 9 East, Carbon County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulation:

1. A berm should be constructed on north side of location to prevent runoff from location into wash.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
River Gas of Utah, Inc.
State of Utah 25-9-1
May 31, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-007-30130.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Division of State Lands
Division of State History
J. L. Thompson
we14/1-8

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML 39335

7. Indian Allottee or Tribe Name

n/a

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

8. Unit or Communitization Agreement

Drunkards Wash
Unit UTU 67921X

9. Well Name and Number

Utah 25-9-1

10. API Well Number

API 43-007-30130

11. Field and Pool, or Wildcat

wildcat

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other (specify)

2. Name of Operator

River Gas of Utah, Inc.

3. Address of Operator

12031 Lake Nicol Tuscaloosa, AL 35406

4. Telephone Number

205/759-3282

5. Location of Well

877 FEL 1683 FSL NE/4 SE/4

Footage :

QQ, Sec. T., R., M. : 25-14S-9E S.L.B.M.

County : Carbon

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input checked="" type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spud Date: 06-06-91 6:30 P.M.

06-07-91: Ran 300' 8-5/8 casing, cement 160 SKS Class "G", 1/4# SKS cello-seal + 2% CACL2
30 SKS pacesetterlite + 1/4# SKS cello-seal + 3% Salt
+ 6% Bentonite06-11-91: TD 1702', ran 1639' of 5-1/2, J-55, 15.5#
Cemented 155 SKS pacesetterlite + 6% gel + 2% CACL2 + 1/4# cello-seal
100 SKS Class "G" + 2% CACL2

RECEIVED

JUL 29 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

David M. Chambers

Title President

Date 06-26-91

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR River Gas of Utah, Inc.
ADDRESS 12031 Lake Nicol
Tuscaloosa, AL 35406

OPERATOR ACCT. NO. N 1600

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11256	43-007-30130	Utah 25-9-1	NE SE	25	14S	9E	Carbon	06-06-91	06-06-91
WELL 1 COMMENTS: Hit fracture gas 1100' estimated 2200 mmcf <i>State - Lease</i> <i>Prop. Zone - FRSD</i> <i>Field - Wildcat</i> <i>Unit - Drunkards Wash (Entity added 7-31-91) J</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

JUL 29 1991

DIVISION OF
OIL GAS & MINING

David M. Chambers
Signature David M. Chambers
President 06-26-91
Title _____ Date _____
Phone No. 205 , 759-3282

RECEIVED

JUL 29 1991

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DIVISION OF
OIL GAS & MINING

1. Well name and number: UTAH 25-9-1
API number: 43-007-30130
2. Well location: QQ NE SE section 25 township 14S range 9E county Carbon
3. Well operator: River Gas of Utah, Inc.
Address: 12031 Lake Nicol phone: 205/759-3282
Tuscaloosa, AL 35406
4. Drilling contractor: Bob Beeman Drilling Co.
Address: P. O. Box 788 phone: 801/259-7281
Moab, UT 84532

5. Water encountered (continue on reverse side if necessary) NO WATER ENCOUNTERED

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		NONE	

6. Formation tops: _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name David M. Chambers
Title President

Signature David M. Chambers
Date July 26, 1991

Comments:



RIVER GAS OF UTAH, INC.

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188

July 26, 1991

Ms. Tammie Searing
STATE OF UTAH
Department of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

JUL 29 1991

DIVISION OF
OIL GAS & MINING

Re: Utah 25-9-1 Well Drunkards Wash Unit
Carbon County, Utah

Dear Ms. Searing:

Pursuant to your request concerning the above-referenced well,
please find enclosed the following:

1. Entity Action Form (Form 6)
2. Report of Water Encountered During Drilling (Form 7)
3. Sundry Notices and Reports on Wells (Form 9)

Should you have any questions or if you need additional
information, please do not hesitate to call.

Yours very truly,

David M. Chambers
President

DMC:kwd

Enclosures

cc: File RG #28

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
ML 39335

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement
Drunkards Wash Unit
UTU 67921X

9. Well Name and Number
Utah 25-9-1

10. API Well Number
43-007-30130

11. Field and Pool, or Wildcat
Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other (specify) Coalbed Methane

2. Name of Operator

River Gas Of Utah

3. Address of Operator

3600 Watermelon Road; Suite 204; Northport, AL 35476

4. Telephone Number

205-759-3282

5. Location of Well

Footage : 877' FEL 1683' FSL NE/4 of SE/4
QQ, Sec. T., R., M. : Sec. 25 T 14S R9E

County : Carbon

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input checked="" type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate Date Work Will Start August 16, 1991

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On August 16, 1991, the Ferron coals at 1646' to 1670' and 1675' to 1689' were put on pump test. The well is currently making 7 MCFD and 60 barrels of water per day. With such low flow, we have not run a multipoint test. River Gas is not through completing this well. There are other coal seams that will be tested before the well is completed and ready for a multipoint test.

The water is being stored in a 90' X 60' X 7' flare pit. Attached are all of the water analysis taken so far.

RECEIVED

SEP 20 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Michael J. Farrens

Name & Signature

Michael J. Farrens

Title

Vice President of
Utah Operations

Date

9-18-91

(State Use Only)



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**

COMPANY River Gas ADDRESS _____ DATE: 9-11-91
 SOURCE 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 8

Analysis	Mg/l (ppm)	*Meq/l
1. PH <u>7.5</u>		
2. H ₂ S (Qualitative) <u>1.0</u>		
3. Specific Gravity <u>1.004</u>		
4. Dissolved Solids <u>4547</u>		
5. Suspended Solids <u>32</u>		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. Methyl Orange Alkalinity (CaCO ₃) _____		
8. Bicarbonate (HCO ₃) <u>1300</u> $\div 61$ <u>21</u> HCO ₃		
9. Chlorides (Cl) <u>1500</u> $\div 35.5$ <u>42</u> Cl		
10. Sulfates (SO ₄) <u>210</u> $\div 48$ <u>4</u> SO ₄		
11. Calcium (Ca) <u>88</u> $\div 20$ <u>4</u> Ca		
12. Magnesium (Mg) <u>0</u> $\div 12.2$ <u>0</u> Mg		
13. Total Hardness (CaCO ₃) <u>220</u>		
14. Total Iron (Fe) <u>19</u>		
15. Barium (Qualitative) <u>0</u>		
16. Phosphate Residuals <u>0</u>		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

4	Ca	←	HCO ₃	21
0	Mg	→	SO ₄	4
63	Na	→	Cl	42

Saturation Values**Distilled Water 20°C**

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		4		324
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		17		1428
Na ₂ SO ₄	71.03		4		284
Na Cl	58.46		42		2455

REMARKS Solids contain carbonates, iron, & some paraffin (&, or oil)



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas ADDRESS _____ DATE: 9-3-91
 SOURCE 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 7

Analysis	Mg/l (ppm)	*Meq/l
1. PH	8.4	
2. H ₂ S (Qualitative)	1.0	
3. Specific Gravity	1.006	
4. Dissolved Solids	3637	
5. Suspended Solids		
6. Anaerobic Bacterial Count	CI	C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ 1300	+61 21 HCO ₃
9. Chlorides (Cl)	Cl 1000	+35.5 28 Cl
10. Sulfates (SO ₄)	SO ₄ 150	+48 3 SO ₄
11. Calcium (Ca)	Ca 48	+20 2 Ca
12. Magnesium (Mg)	Mg 12	+12.2 1 Mg
13. Total Hardness (CaCO ₃)	170	
14. Total Iron (Fe)	8.4	
15. Barium (Qualitative)	0	
16. Phosphate Residuals	0	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

2	Ca	←	HCO ₃	21
1	Mg	←	SO ₄	3
49	Na	←	Cl	28

Saturation Values

Distilled Water 20° C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	Mg/l
Ca (HCO ₃) ₂	81.04		2	162
Ca SO ₄	68.07			
Ca Cl ₂	55.50			
Mg (HCO ₃) ₂	73.17		1	73
Mg SO ₄	60.19			
Mg Cl ₂	47.62			
Na HCO ₃	84.00		18	1512
Na ₂ SO ₄	71.03		3	213
Na Cl	58.46		28	1637

REMARKS Suspended solids - 42. mg/liter no clay or expandable matter detected

JETCO CHEMICALS, INCORPORATED
A PROCTER & GAMBLE COMPANY

ANAEROBIC BACTERIAL COUNT

RIVER GAS

C/ML

Utah 25-91-1

8-19-91

0

8-21-91

1-9

8-27-91

10-99

8-29-91

10-99



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**COMPANY River Gas ADDRESS _____ DATE: 8-27-91SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. # 6

Analyte	Mg/l (ppm)	Meq/l
1. PH	8.8	
2. H ₂ S (Qualitative)	1.5	
3. Specific Gravity	1.003	
4. Dissolved Solids	3174	
5. Suspended Solids		
6. Anaerobic Bacterial Count	GI	C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ 1020	+61 17 HCO ₃
9. Chlorides (Cl)	Cl 1000	+35.5 28 Cl
10. Sulfates (SO ₄)	SO ₄ 80	+48 2 SO ₄
11. Calcium (Ca)	Ca 4	+20 0 Ca
12. Magnesium (Mg)	Mg 12	+12.2 1 Mg
13. Total Hardness (CaCO ₃)	60	
14. Total Iron (Fe)	10.	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*MMH equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	17
1	Mg	→	SO ₄	2
46 × 23	Na	→	Cl	28

Saturation Values**Distilled Water 20°C**

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17	1			73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	16			1344
Na ₂ SO ₄	71.03	2			142
Na Cl	58.46	28			1637

REMARKS _____



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

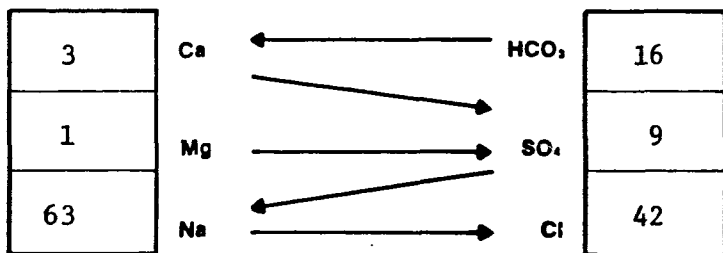
WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-19-91
SOURCE Utah 25-91 DATE SAMPLED 8-19-91 ANALYSIS NO. # 5

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.8</u>		
2. H ₂ S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>4,433</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		HCO ₃ <u>960</u> ÷ 61 <u>16</u> HCO ₃	
9. Chlorides (Cl)		Cl <u>1,500</u> ÷ 35.5 <u>42</u> Cl	
10. Sulfates (SO ₄)		SO ₄ <u>450</u> ÷ 48 <u>9</u> SO ₄	
11. Calcium (Ca)		Ca <u>64</u> ÷ 20 <u>3</u> Ca	
12. Magnesium (Mg)		Mg <u>10</u> ÷ 12.2 <u>1</u> Mg	
13. Total Hardness (CaCO ₃)		<u>200</u>	
14. Total Iron (Fe)		<u>16</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Ca CO₃ 13 Mg/l
Ca SO₄ · 2H₂O 2,090 Mg/l
Mg CO₃ 103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>12</u>		<u>1,008</u>
Na ₂ SO ₄	71.03		<u>9</u>		<u>639</u>
Na Cl	58.46		<u>42</u>		<u>2,455</u>

REMARKS _____

WATER ANALYSIS REPORT

COMPANY RIVER GAS ADDRESS _____ DATE: 8-15-91
SOURCE State 25-9-1 Sample # 4 DATE SAMPLED _____ ANALYSIS NO. 74

Analysis

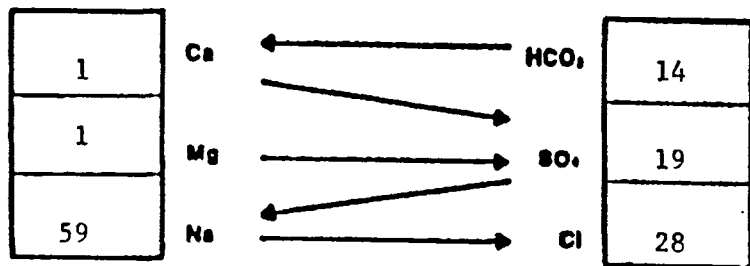
Mg/l (ppm)

Meq/l

1. PH	<u>7.6</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.005</u>		
4. Dissolved Solids		<u>4157</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>860</u>	<u>+61</u> <u>14</u> HCO ₃
9. Chlorides (Cl)		<u>1000</u>	<u>+35.5</u> <u>28</u> Cl
10. Sulfates (SO ₄)		<u>900</u>	<u>+48</u> <u>19</u> SO ₄
11. Calcium (Ca)		<u>28</u>	<u>+20</u> <u>1</u> Ca
12. Magnesium (Mg)		<u>12</u>	<u>+12.2</u> <u>1</u> Mg
13. Total Hardness (CaCO ₃)		<u>120</u>	
14. Total Iron (Fe)		<u>23</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*1000 equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO₃ 13 Mg/l
Ca SO₄ · 2H₂O 2,060 Mg/l
Mg CO₃ 103 Mg/l

Compound	Eqvt. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.16				
Mg Cl ₂	47.02				
Na HCO ₃	64.00		<u>12</u>		<u>1008</u>
Na ₂ SO ₄	71.03		<u>19</u>		<u>1349</u>
Na Cl	58.46		<u>28</u>		<u>1637</u>

REMARKS _____



A Procter & Gamble Co.

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P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-09-91

SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 3

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.3</u>		
2. H ₂ S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>3,872</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		HCO ₃ <u>700</u> ÷61 <u>12</u> HCO ₃	
9. Chlorides (Cl)		Cl <u>1,500</u> ÷35.5 <u>42</u> Cl	
10. Sulfates (SO ₄)		SO ₄ <u>300</u> ÷48 <u>6</u> SO ₄	
11. Calcium (Ca)		Ca <u>56</u> ÷20 <u>3</u> Ca	
12. Magnesium (Mg)		Mg <u>5</u> ÷12.2 <u>0</u> Mg	
13. Total Hardness (CaCO ₃)		<u>160</u>	
14. Total Iron (Fe)		<u>29.</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	12
0	Mg	→	SO ₄	6
57	Na	→	Cl	42

Saturation Values

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>9</u>		<u>756</u>
Na ₂ SO ₄	71.03		<u>6</u>		<u>426</u>
Na Cl	58.46		<u>42</u>		<u>2,455</u>

REMARKS _____



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Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-05-91
SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 2

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>5.8</u>	
2. H ₂ S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.002</u>	
4. Dissolved Solids	<u>2,875</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ <u>840</u> ÷61 <u>14</u> HCO ₃	
9. Chlorides (Cl)	Cl <u>500</u> ÷35.5 <u>14</u> Cl	
10. Sulfates (SO ₄)	SO ₄ <u>600</u> ÷48 <u>13</u> SO ₄	
11. Calcium (Ca)	Ca <u>56</u> ÷20 <u>3</u> Ca	
12. Magnesium (Mg)	Mg <u>5</u> ÷12.2 <u>0</u> Mg	
13. Total Hardness (CaCO ₃)	<u>160</u>	
14. Total Iron (Fe)	<u>36.</u>	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	14
0	Mg	→	SO ₄	13
38	Na	→	Cl	14

Saturation Values

Ca CO₃ 13 Mg/l
Ca SO₄ · 2H₂O 2,090 Mg/l
Mg CO₃ 103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		11		924
Na ₂ SO ₄	71.03		13		923
Na Cl	58.46		14		818

REMARKS _____



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Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE 8-02-91
 SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. P /

	Analysis	Mg/l (ppm)	Meq/l
1. PH	<u>7.7</u>		
2. H ₂ S (Qualitative)	<u>2.0</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>4,761</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/MI
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>680</u>	<u>÷61</u> <u>11</u> HCO ₃
9. Chlorides (Cl)		<u>1,000</u>	<u>÷35.5</u> <u>28</u> Cl
10. Sulfates (SO ₄)		<u>1,500</u>	<u>÷48</u> <u>31</u> SO ₄
11. Calcium (Ca)		<u>56</u>	<u>÷20</u> <u>3</u> Ca
12. Magnesium (Mg)		<u>7</u>	<u>÷12.2</u> <u>1</u> Mg
13. Total Hardness (CaCO ₃)		<u>170</u>	
14. Total Iron (Fe)		<u>190</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals		<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	11
1	Mg	→	SO ₄	31
66	Na	→	Cl	28

Saturation Values

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	80.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>7</u>		<u>588</u>
Na ₂ SO ₄	71.03		<u>31</u>		<u>2,201</u>
Na Cl	58.46		<u>28</u>		<u>1,637</u>

REMARKS _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
ML 39335

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement
Drunkards Wash Unit
UTU 67921X

9. Well Name and Number
Utah 25-9-1

10. API Well Number
43-007-30130

11. Field and Pool, or Wildcat
Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other (specify) Coalbed Methane

2. Name of Operator

River Gas Of Utah

3. Address of Operator

3600 Watermelon Road; Suite 204; Northport, AL 35476

4. Telephone Number

205-759-3282

5. Location of Well

Footage : 877' FEL 1683' FSL NE/4 of SE/4

QQ, Sec. T., R., M. : Sec. 25 T 14S R9E

County : Carbon

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

☐ Abandonment

☐ Casing Repair

☐ Change of Plans

☐ Conversion to Injection

☐ Fracture Treat

☐ Multiple Completion

☐ Other

☐ New Construction

☐ Pull or Alter Casing

☐ Recompletion

☐ Shoot or Acidize

☒ Vent or Flare

☐ Water Shut-Off

SUBSEQUENT REPORT (Submit Original Form Only)

☐ Abandonment *

☐ Casing Repair

☐ Change of Plans

☐ Conversion to Injection

☐ Fracture Treat

☐ Other

☐ New Construction

☐ Pull or Alter Casing

☐ Shoot or Acidize

☐ Vent or Flare

☐ Water Shut-Off

Date of Work Completion

Approximate Date Work Will Start August 16, 1991

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On August 16, 1991, the Ferron coals at 1646' to 1670' and 1675' to 1689' were put on pump test. The well is currently making 7 MCFD and 60 barrels of water per day. With such low flow, we have not run a multipoint test. River Gas is not through completing this well. There are other coal seams that will be tested before the well is completed and ready for a multipoint test.

The water is being stored in a 90' X 60' X 7' flare pit. Attached are all of the water analysis taken so far.

RECEIVED

SEP 20 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Michael J. Farrens

Vice President of
Utah Operations

Name & Signature

Michael J. Farrens

Title

Date 9-18-91

(State Use Only)



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas ADDRESS _____ DATE: 9-11-91
 SOURCE 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 8

Analysis	Mg/l (ppm)	*Meq/l
1. PH <u>7.5</u>		
2. H ₂ S (Qualitative) <u>1.0</u>		
3. Specific Gravity <u>1.004</u>		
4. Dissolved Solids <u>4547</u>		
5. Suspended Solids <u>32</u>		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. Methyl Orange Alkalinity (CaCO ₃) _____		
8. Bicarbonate (HCO ₃) <u>1300</u> <u>+61</u> <u>21</u> HCO ₃		
9. Chlorides (Cl) <u>1500</u> <u>+35.5</u> <u>42</u> Cl		
10. Sulfates (SO ₄) <u>210</u> <u>+48</u> <u>4</u> SO ₄		
11. Calcium (Ca) <u>88</u> <u>+20</u> <u>4</u> Ca		
12. Magnesium (Mg) <u>0</u> <u>+12.2</u> <u>0</u> Mg		
13. Total Hardness (CaCO ₃) <u>220</u>		
14. Total Iron (Fe) <u>19</u>		
15. Barium (Qualitative) <u>0</u>		
16. Phosphate Residuals <u>0</u>		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

4	Ca	←	HCO ₃	21
0	Mg	→	SO ₄	4
63	Na	→	Cl	42

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		4		324
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	64.00		17		1428
Na ₂ SO ₄	71.03		4		284
Na Cl	58.46		42		2455

REMARKS Solids contain carbonates, iron, & some paraffin (&, or oil)



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WATER ANALYSIS REPORT

COMPANY River Gas ADDRESS _____ DATE: 9-3-91
 SOURCE 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 7

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>8.4</u>	
2. H ₂ S (Qualitative)	<u>1.0</u>	
3. Specific Gravity	<u>1.006</u>	
4. Dissolved Solids	<u>3637</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count	<u>CI</u> C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ <u>1300</u> <u>+61</u> <u>21</u> HCO ₃	
9. Chlorides (Cl)	Cl <u>1000</u> <u>+35.5</u> <u>28</u> Cl	
10. Sulfates (SO ₄)	SO ₄ <u>150</u> <u>+48</u> <u>3</u> SO ₄	
11. Calcium (Ca)	Ca <u>48</u> <u>+20</u> <u>2</u> Ca	
12. Magnesium (Mg)	Mg <u>12</u> <u>+12.2</u> <u>1</u> Mg	
13. Total Hardness (CaCO ₃)	<u>170</u>	
14. Total Iron (Fe)	<u>8.4</u>	
15. Barium (Qualitative)	<u>0</u>	
16. Phosphate Residuals	<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

2	Ca	←	HCO ₃	21
1	Mg	→	SO ₄	3
49	Na	→	Cl	28

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Eqv. Wt.	x	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		2		162
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		1		73
Mg SO ₄	60.19				
Mg Cl ₂	47.52				
Na HCO ₃	84.00		18		1512
Na ₂ SO ₄	71.03		3		213
Na Cl	58.46		28		1637

REMARKS Suspended solids - 42. mg/liter no clay or expandable matter detected

JETCO CHEMICALS, INCORPORATED
A PROCTER & GAMBLE COMPANY

ANAEROBIC BACTERIAL COUNT

RIVER GAS

C/ML

Utah 25-91-1

8-19-91

0

8-21-91

1-9

8-27-91

10-99

8-29-91

10-99



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**

COMPANY River Gas ADDRESS _____ DATE: 8-27-91
 SOURCE State 25-9-] DATE SAMPLED _____ ANALYSIS NO. # 6

Analysis	Mg/l (ppm)	Meq/l
1. PH <u>8.8</u>		
2. H ₂ S (Qualitative) <u>1.5</u>		
3. Specific Gravity <u>1.003</u>		
4. Dissolved Solids <u>3174</u>		
5. Suspended Solids _____		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. Methyl Orange Alkalinity (CaCO ₃) _____		
8. Bicarbonate (HCO ₃) <u>1020</u> <u>+61</u> <u>17</u> HCO ₃		
9. Chlorides (Cl) <u>1000</u> <u>+35.5</u> <u>28</u> Cl		
10. Sulfates (SO ₄) <u>80</u> <u>+48</u> <u>2</u> SO ₄		
11. Calcium (Ca) <u>4</u> <u>+20</u> <u>0</u> Ca		
12. Magnesium (Mg) <u>12</u> <u>+12.2</u> <u>1</u> Mg		
13. Total Hardness (CaCO ₃) <u>60</u>		
14. Total Iron (Fe) <u>10.</u>		
15. Barium (Qualitative) _____		
16. Phosphate Residuals _____		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	17
1	Mg	→	SO ₄	2
46 × 23	Na	→	Cl	28

Saturation Values

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	88.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17	1			73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	16			1344
Na ₂ SO ₄	71.03	2			142
Na Cl	58.46	28			1637

REMARKS _____

8-23-91



A Procter & Gamble Co.

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Roosevelt, Utah 84066

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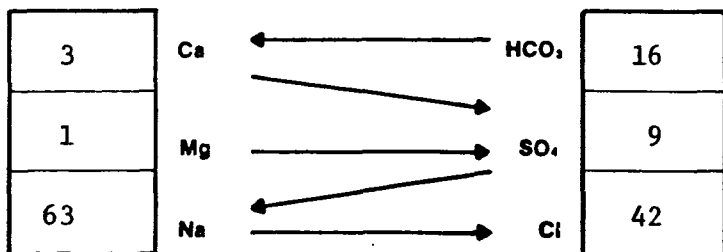
WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-19-91
SOURCE Utah 25-91 DATE SAMPLED 8-19-91 ANALYSIS NO. # 5

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.8</u>		
2. H ₂ S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>4,433</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		HCO ₃ <u>960</u> ÷ 61 <u>16</u> HCO ₃	
9. Chlorides (Cl)		Cl <u>1,500</u> ÷ 35.5 <u>42</u> Cl	
10. Sulfates (SO ₄)		SO ₄ <u>450</u> ÷ 48 <u>9</u> SO ₄	
11. Calcium (Ca)		Ca <u>64</u> ÷ 20 <u>3</u> Ca	
12. Magnesium (Mg)		Mg <u>10</u> ÷ 12.2 <u>1</u> Mg	
13. Total Hardness (CaCO ₃)		<u>200</u>	
14. Total Iron (Fe)		<u>16</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Ca CO₃ 13 Mg/l
Ca SO₄ · 2H₂O 2,090 Mg/l
Mg CO₃ 103 Mg/l

Distilled Water 20°C

Compound	Equlv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>12</u>		<u>1,008</u>
Na ₂ SO ₄	71.03		<u>9</u>		<u>639</u>
Na Cl	58.46		<u>42</u>		<u>2,455</u>

REMARKS _____

WATER ANALYSIS REPORT

COMPANY RIVER GAS ADDRESS _____ DATE: 8-15-91
SOURCE State 25-9-1 Sample # 4 DATE SAMPLED _____ ANALYSIS NO. 74

Analysis

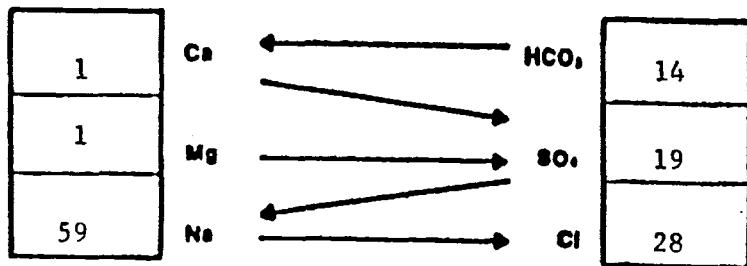
Mg/l (ppm)

Mg/l

1. PH	<u>7.6</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.005</u>		
4. Dissolved Solids		<u>4157</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>860</u>	<u>+81</u> <u>14</u> HCO ₃
9. Chlorides (Cl)		<u>1000</u>	<u>+35.5</u> <u>28</u> Cl
10. Sulfates (SO ₄)		<u>900</u>	<u>+48</u> <u>19</u> SO ₄
11. Calcium (Ca)		<u>28</u>	<u>+20</u> <u>1</u> Ca
12. Magnesium (Mg)		<u>12</u>	<u>+12.2</u> <u>1</u> Mg
13. Total Hardness (CaCO ₃)		<u>120</u>	
14. Total Iron (Fe)		<u>23</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Mg/l equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO₃

13 Mg/l

Ca SO₄ · 2H₂O

2,000 Mg/l

Mg CO₃

103 Mg/l

Compound	Eqv. Wt	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.16				
Mg Cl ₂	47.92				
Na HCO ₃	84.00		<u>12</u>		<u>1008</u>
Na ₂ SO ₄	71.03		<u>19</u>		<u>1349</u>
Na Cl	58.44		<u>28</u>		<u>1637</u>

REMARKS _____



A Procter & Gamble Co.

RECEIVED AND 12

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-09-91
SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 3

Analysis	Mg/l (ppm)	*Meq/l
1. PH	7.3	
2. H ₂ S (Qualitative)	1.5	
3. Specific Gravity	1.003	
4. Dissolved Solids	3,872	
5. Suspended Solids		
6. Anaerobic Bacterial Count	C/MI	
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ 700 ÷ 61 12 HCO ₃	
9. Chlorides (Cl)	Cl 1,500 ÷ 35.5 42 Cl	
10. Sulfates (SO ₄)	SO ₄ 300 ÷ 48 6 SO ₄	
11. Calcium (Ca)	Ca 56 ÷ 20 3 Ca	
12. Magnesium (Mg)	Mg 5 ÷ 12.2 0 Mg	
13. Total Hardness (CaCO ₃)	160	
14. Total Iron (Fe)	29.	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	HCO ₃	12
0	Mg	SO ₄	6
57	Na	Cl	42

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		9		756
Na ₂ SO ₄	71.03		6		426
Na Cl	58.46		42		2,455

REMARKS _____



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE: 8-05-91
SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. 2

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>5.8</u>		
2. H ₂ S (Qualitative)	<u>.5</u>		
3. Specific Gravity	<u>1.002</u>		
4. Dissolved Solids		<u>2,875</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/MI		
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		HCO ₃ <u>840</u> ÷61 <u>14</u> HCO ₃	
9. Chlorides (Cl)		Cl <u>500</u> ÷35.5 <u>14</u> Cl	
10. Sulfates (SO ₄)		SO ₄ <u>600</u> ÷48 <u>13</u> SO ₄	
11. Calcium (Ca)		Ca <u>56</u> ÷20 <u>3</u> Ca	
12. Magnesium (Mg)		Mg <u>5</u> ÷12.2 <u>0</u> Mg	
13. Total Hardness (CaCO ₃)		<u>160</u>	
14. Total Iron (Fe)		<u>36.</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	14
0	Mg	→	SO ₄	13
38	Na	→	Cl	14

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		11		924
Na ₂ SO ₄	71.03		13		923
Na Cl	58.46		14		818

REMARKS _____



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas of Utah ADDRESS _____ DATE 8-02-91
 SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. A /

	Analysis	Mg/l (ppm)	Meq/l
1. PH	<u>7.7</u>		
2. H ₂ S (Qualitative)	<u>2.0</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>4,761</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>680</u>	<u>11</u>
9. Chlorides (Cl)		<u>1,000</u>	<u>28</u>
10. Sulfates (SO ₄)		<u>1,500</u>	<u>31</u>
11. Calcium (Ca)		<u>56</u>	<u>3</u>
12. Magnesium (Mg)		<u>7</u>	<u>1</u>
13. Total Hardness (CaCO ₃)		<u>170</u>	
14. Total Iron (Fe)		<u>190</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals		<u>0</u>	

*Milliequivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	11
1	Mg	→	SO ₄	31
66	Na	→	Cl	28

Saturation Values

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	80.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>7</u>		<u>588</u>
Na ₂ SO ₄	71.03		<u>31</u>		<u>2,201</u>
Na Cl	58.46		<u>28</u>		<u>1,637</u>

REMARKS _____



RIVER GAS OF UTAH, INC.

pr/misc/firth.18

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188

RECEIVED

SEP 20 1991

**DIVISION OF
OIL GAS & MINING**

September 18, 1991

Mr. R. J. Firth
Associate Director, Oil & Gas
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center; Suite 350
Salt Lake City, Utah 84180-1203

Re: Utah 25-9-1 Well Drunkards Wash Unit
Carbon County, Utah

Dear Mr. Firth,

Please find enclosed 3 copies of the "Sundry Notices and Reports on Wells" and 3 copies of the water analysis.

Should you have any questions or if you need additional information, please do not hesitate to call.

Yours very truly,

Michael J. Farrens
Vice President of
Utah Operations

MJF\pr

Enclosures



RIVER GAS OF UTAH, INC.

pr/misc/firth.9B

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188

RECEIVED

SEP 23 1991

DIVISION OF
OIL GAS & MINING

September 20, 1991

Mr. R. J. Firth
Associate Director, Oil & Gas
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center; Suite 350
Salt Lake City, Utah 84180-1203

Re: Utah 25-9-1 Well Drunkards Wash Unit
Carbon County, Utah

Dear Mr. Firth,

Please find enclosed 3 copies of the "Sundry Notices and Reports on Wells" in regards to our notice of intent to fracture treat our Utah 25-9-1 well.

Should you have any questions or if you need additional information, please do not hesitate to call.

Yours very truly,

Michael J. Farrens
Vice President of
Utah Operations

MJF\pr

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL
RECEIVED
SEP 23 1991

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals</p>		6. Gas Designation and Serial Number ML 39335
		7. Indian Allottee or Tribe Name N/A
<p align="center">DIVISION OF OIL GAS & MINING</p>		8. Unit or Communitization Agreement Drunkards Wash Unit UTU 67921 X
<p>1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) Coalbed Methane</p>		9. Well Name and Number Utah 25-9-1
2. Name of Operator River Gas of Utah		10. API Well Number 43-007-30130
3. Address of Operator 3600 Watermelon Rd.; Suite 204;	Northport, AL 35476	4. Telephone Number 205-759-3282
5. Location of Well Footage : 877' FEL 1683' FSL NE/4 SE/4 QQ, Sec. T., R., M. : Sec 25 T 14S R9E		11. Field and Pool, or Wildcat Wildcat
<p align="center">12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</p>		

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start October 10, 1991

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Ferron coals at 1646' to 1670' and 1675' to 1689' will be fraced with 100,000 lbs. 12-20 sand and 42,000 gal. X-link gel. A bridge plug will be set at 1630' and coal seams at 1592' to 1599' and 1606' to 1612' will be fraced with 20,000 lbs. 12-20 sand and 10,000 gal. X-link gel. Well will be put on pump test and water will be stored in flare pit.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/26/91
BY: JAY J. J. J.

14. I hereby certify that the foregoing is true and correct

Name & Signature Michael J. Farrens Michael J. Farrens

Title Vice President of Utah Operations Date 9-20-91

(State Use Only)



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Don A. Ostler, P.E.
Director

288 North 1460 West
Salt Lake City, Utah
(801) 538-6146
(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

September 24, 1991

Michael J. Farrens
River Gas of Utah, Inc.
3600 Watermelon Road, Suite 204
Northport, Alabama 35476

RE: Proposed Discharge of Produced Water
from Coalbed Gas Recovery Wells

Dear Mr. Farrens:

We have reviewed your August 7, 1991 letter requesting permission to discharge coalbed gas recovery water to Drunkards Wash near Price. As indicated in the August 9, 1991 conversation with Steven McNeal, this type of water with high total dissolved solids concentrations is not considered acceptable for coverage by a general permit. Furthermore, the Colorado River Basin Salinity Control Forum policies and the state's antidegradation policy may preclude issuance of an individual permit.

An injection well or disposal pond regulated by the Division of Oil, Gas & Mining are the usual disposal methods for high TDS water from gas wells. You should contact their office if you desire to pursue one of those alternatives. Other alternatives such as, land application or evaporation ponds, etc., may be considered, however, they would be subject to applicable groundwater permitting requirements.

Please contact Steven McNeal or Kiran Bhayani of this office at (801) 538-6146, if you have further questions.

Sincerely,

Utah Water Quality Board

RGU #1 43-007-30129 Sec. 36, T. 14S, R. 9E
State of UT 25-9-1 43-007-30130 Sec. 25, T. 14S, R. 9E
St. of UT 36-1-2 43-007-30131 Sec. 36, T. 14S, R. 9E
Utah 36-9-5 43-007-30144 Sec. 36, T. 14S, R. 9E
Utah 31-3-3 43-007-30143 Sec. 31, T. 14S, R. 10E
St. of UT 36-4-4 43-007-30142 Sec. 36, T. 14S, R. 9E

Don A. Ostler, P.E.
Executive Secretary

DAO:SRM:ja

cc: EPA Region VIII, Water Management
Southeastern Utah District Health Department
Division of Oil, Gas & Mining
David Ariotti, District Engineer

S:FARRENS.LTR

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OCT 04 1991

DIVISION OF
OIL GAS & MINING



RIVER GAS OF UTAH, INC.

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188

RECEIVED

JAN 23 1992

DIVISION OF
OIL GAS & MINING

January 15, 1992

Mr. Gary Bagley
Utah Department of Natural Resources
Division of State Lands & Forestry
355 West North Temple
3 Triad Center, Suite 320
Salt Lake City, UT 84180-1203

RE: Road Construction -
Drunkards Wash Federal Unit -
Carbon County, UT

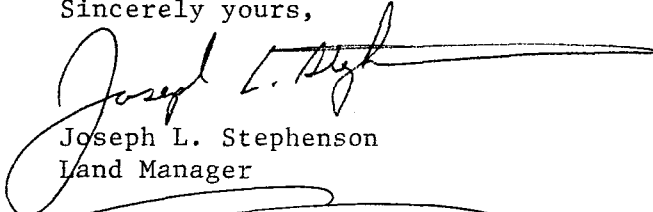
1450 9E #25
43-007-30130

Dear Mr. Bagley:

This letter will confirm our telephone conversation today in which it was decided that we could proceed with the road construction we had described in our letter dated October 29, 1991 which was addressed to Mr. Brad Hill at the Utah Board of Oil, Gas and Mining. Mr. Hill had sent that letter on to your office since it involved usage of State surface under lease for oil and gas.

In the event we need to do something similar to this again, we will send a sundry notice to the Board of Oil, Gas and Mining with a copy going to you so that everyone is kept up to date on our proposed activities in the unit.

Sincerely yours,


Joseph L. Stephenson
Land Manager

cc: Mr. Brad Hill

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML 39335

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

UTU 67921X

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT for such proposals

1. Type of Well

☐ Oil Well☐ Gas Well☒ Other (specify) Coalbed Methane

2. Name of Operator

River Gas of Utah

3. Address of Operator

Northport, AL

3600 Watermelon Road; Suite 204; zip: 35476

4. Telephone Number

205-759-3282

9. Well Name and Number

Utah 25-9-1

10. API Well Number

43-007-30130

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 877' FEL 1683' FSL NE/4 of SE/4

County : Carbon

QQ, Sec, T., R., M. : Sec. 25 T14S R9E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input checked="" type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start May 6, 1992

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

A cast iron bridge plug will be set at 1630'. The well will be perforated at 1592' to 1598' and 1606' to 1612'. An injection fall-off test will be performed. Well will be put back on pump test.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-12-92

BY: J. Matthews

RECEIVED

MAY 11 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Michael J. Farrens

Michael J. Farrens

Vice President of Utah Operations

Title

Date 5-4-92

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

4300730130
145 9E 25

SUNDRY NOTICES AND REPORTS ON WELLS			
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals.			
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number N/A	
2. Name of Operator River Gas of Utah, Inc.		7. Indian Allottee or Tribe Name N/A	
3. Address of Operator 3600 Watermelon Road, Suite 204, Northport, AL		8. Unit or Communitization Agreement N/A	
4. Telephone Number 205-759-3282		9. Well Name and Number N/A	
5. Location of Well Footage : County : QQ, Sec. T., R., M. : VARIOUS		10. API Well Number N/A	
35476		11. Field and Pool, or Wildcat N/A	
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate) <input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other <u>Permission to dispose of produced water.</u>		SUBSEQUENT REPORT (Submit Original Form Only) <input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

River Gas of Utah, Inc. respectfully request permission to dispose of produced water from our Pilot wells and any subsequent wells drilled. Please see the attached letter from Price River Water Improvement District granting us permission to dispose of the water into their sewer system. I have also enclosed copies of our last three water analysis for your information.

* APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7-16-92
BY: [Signature]
SEE ATTACHED

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Michael J. Farrens Michael J. Farrens Title Vice-President Date 7/10/92
(State Use Only)

Utah Division of Oil, Gas and Mining

Attachment to Sundry Notice and Report on Wells
dated July 10, 1992

Subject: Request of River Gas of Utah, Inc. (RGU) for permission
to dispose of produced water in the Price River Water
Improvement District (PRWID) sewer system.

Conditions of Approval:

- 1) Approval is valid only while operations are in compliance and in accordance with any agreement entered into and between RGU and the PRWID for such disposal activities.
- 2) A copy of any signed agreement with PRWID will be provided to the Division.
- 3) This approval is applicable to water produced from RGU's wells in the Drunkard's Wash area as part of their coalbed methane production activities.



PRICE RIVER WATER
IMPROVEMENT-DISTRICT

P.O. Box 903
265 South Fairgrounds Road
Price, Utah 84501
Telephone (801) 637-6350
FAX (801) 637-6374

June 30, 1992

River Gas Of Utah, Inc.
3600 Watermelon Road, Suite 204
Northport, Alabama 35476

Attention Micheal J. Farrens

Dear Mike

The District has reviewed your connection proposal dated June 23, 1992 and found it to be acceptable. RGU and the District will enter into a Two Year Agreement with the following items to be included in the agreement:

1. Connection fee for the pilot program
2. Monthly usage charge
3. Parameters to be tested and cost to RGU
4. Restrictions on quality of RGU discharge
5. Duration and dates of agreement
6. Other inclusions that may arise before the agreement is signed.

The District wishes you well on your project. If you have any questions regarding this feel free to contact me at any time, at the District's service Center, 801-637-6350.

Sincerely

Rodney Ivie
Assistant Manager

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING





A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY RIVER GAS ADDRESS _____ DATE: 10-16-91

SOURCE State 25-9-1 DATE SAMPLED 10-15 ANALYSIS NO. _____

Analysis

Mg/l (ppm)

*Meq/l

1. PH	<u>7.4</u>				
2. H ₂ S (Qualitative)	<u>1.5</u>				
3. Specific Gravity	<u>1.002</u>				
4. Dissolved Solids		<u>3889</u>			
5. Suspended Solids					
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>			
7. Methyl Orange Alkalinity (CaCO ₃)					
8. Bicarbonate (HCO ₃)		HCO ₃ <u>860</u>	<u>÷61</u>	<u>14</u>	HCO ₃
9. Chlorides (Cl)		Cl <u>750</u>	<u>÷35.5</u>	<u>21</u>	Cl
10. Sulfates (SO ₄)		SO ₄ <u>1000</u>	<u>÷48</u>	<u>21</u>	SO ₄
11. Calcium (Ca)		Ca <u>48</u>	<u>÷20</u>	<u>2</u>	Ca
12. Magnesium (Mg)		Mg <u>12</u>	<u>÷12.2</u>	<u>1</u>	Mg
13. Total Hardness (CaCO ₃)		<u>170</u>			
14. Total Iron (Fe)		<u>22</u>			
15. Barium (Qualitative)					
16. Phosphate Residuals					

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DIVISION OF
OIL GAS & MINING

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

2	Ca	←	HCO ₃	14
1	Mg	→	SO ₄	21
53	Na	→	Cl	21

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Eqv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		2		162
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		1		73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		11		924
Na ₂ SO ₄	71.03		21		1491
Na Cl	58.46		21		1228

REMARKS _____

165 E. Railroad Avenue

Green River, WY 82935

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JUL 15 1992



DIVISION OF
OIL GAS & MINING

Phoenix Laboratories, Inc.

(307) 875-8968

CUSTOMER # 1013
PHOENIX LAB # 1055

CUSTOMER River Gas Of Utah
3600 Watermelon Road
Suite 204
Northport, AL 35476

SAMPLE SOURCE
Production Water from Price,

OTHER SAMPLE INFORMATION

DATE SAMPLED 9/13/91

CATIONS:	MG/L	MEQ/L
sodium	2047.7	89.1
potassium	15.6	0.4
calcium	35.9	1.8
magnesium	17.0	1.4

TOTAL CATIONS 92.7

ANIONS:	MG/L	MEQ/L
sulfate	139.6	2.9
chloride	1363.4	38.5
carbonate	0.0	0.0
bicarbonate	3211.7	52.7
hydroxide	0.0	0.0

TOTAL ANIONS 94.01

NACL EQUIVALENT	MG/L
CALC TDS* (365 deg f)	4432
API TDS*	5314
	5260

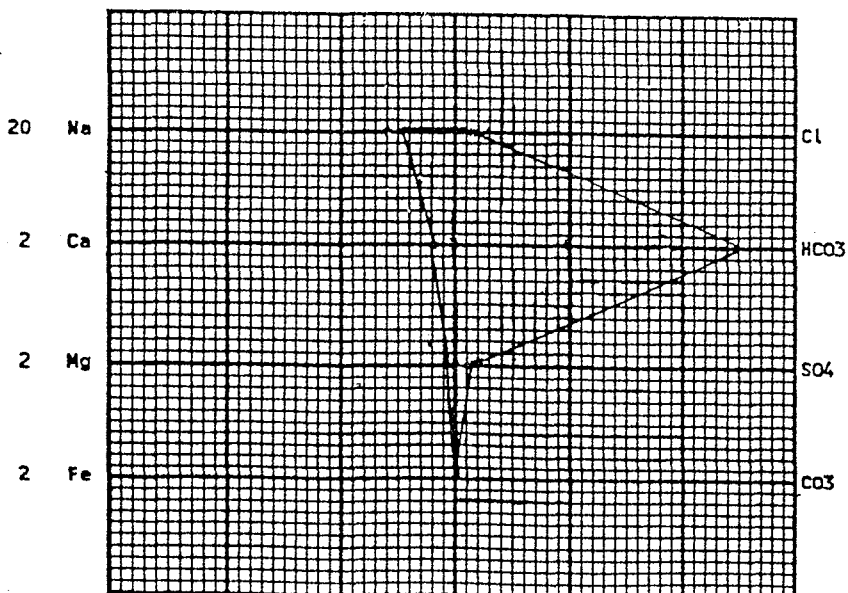
Conductivity @ 68 deg 1.355

Observed pH 7.8

*total dissolved solids

WATER ANALYSIS PATTERN
Scale
MEQ per Unit

(Na value in graph
includes Na and K)



NOTE: MG/L = milligrams
per liter
MEQ/L = milligram
equivalent
per liter

Sodium Chloride equivalent
by Dunlap & Hawthorne -
calculation from components

ANAEROBIC BACTERIAL COUNT

RIVER GAS		C/ML
25-9-1	9-3-91	0
	9-5-91	1-9
	9-13-91	1-9
State 25-9-1	8-27-91	0
	9-7-91	1-9

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JUL 15 1992

DIVISION OF
OIL GAS & MINING



A Procter & Gamble Co.

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY River Gas ADDRESS _____ DATE: 9-17-91
SOURCE State 25-9-1 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. PH	7.5	
2. H ₂ S (Qualitative)	0	
3. Specific Gravity	1.005	
4. Dissolved Solids	5,224	
5. Suspended Solids	52	
6. Anaerobic Bacterial Count	CI	C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ 1,360	÷61 22 HCO ₃
9. Chlorides (Cl)	Cl 2,000	÷35.5 56 Cl
10. Sulfates (SO ₄)	SO ₄ 60	÷48 1 SO ₄
11. Calcium (Ca)	Ca 44	÷20 2 Ca
12. Magnesium (Mg)	Mg 12	÷12.2 1 Mg
13. Total Hardness (CaCO ₃)	160	
14. Total Iron (Fe)	20.0	
15. Barium (Qualitative)		
16. Phosphate Residuals		

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DIVISION OF
OIL, GAS & MINING

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04	2			162
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17	1			73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	19			1596
Na ₂ SO ₄	71.03	1			71
Na Cl	58.46	56			3274

Saturation Values

Distilled Water 20° C

Ca CO₃

13 Mg/l

Ca SO₄ · 2H₂O

2,090 Mg/l

Mg CO₃

103 Mg/l

REMARKS Suspended solids contain iron, and carbonates



RIVER GAS OF UTAH, INC.

3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188,

July 10, 1992

Mr. Gil Hunt
Manager
State of Utah Natural Resources
Underground Injection Control Program
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Permission to Dispose of Production Water

Dear Mr. Hunt:

Per our conversation I have enclosed is a copy of a Sundry Notice, letter from Price River Water Improvement District granting us their permission to dispose, and our last 3 water analysis from the State 25-9-1 well already drilled in this area. We respectfully request permission from the State of Utah to dispose of production water from our Pilot wells and any subsequent wells drilled.

We appreciate your consideration in this matter. Should you need additional information please give me a call.

Sincerely,

Michael J. Farrens
Vice-President

MJF/djl

Enclosures

RECEIVED

JUL 15 1992

**DIVISION OF
OIL GAS & MINING**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI-STATE
(Other Instructions on reverse side)

FORM APPROVED
OMEN 100-6135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Coalbed Methane		5. LEASE DESIGNATION AND SERIAL NO. ML 39335
2. NAME OF OPERATOR River Gas of Utah		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 3600 Watermelon Rd.; Suite 204; Northport, AL 35476		7. UNIT AGREEMENT NAME Drunkards Wash Unit UTU 67921 Y
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 877' FEL 1683' FSL NE/4 SE/4 Sec 25 T 14S R9E		8. FARM OR LEASE NAME State of Utah
14. PERMIT NO. 43-007-30130 API Number	15. ELEVATIONS (Show whether DT, ST, CR, etc.) 5721 Surveyed Elevation	9. WELL NO. 25-9-1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., N., OF B.L. AND SURVEY OR AREA Sec. 25 T 14S R9E S.L.B. & M
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Flare gas

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANT

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and points pertinent to this work.)*

The 30-day test period for this well is about to expire. RGU requests permission to continue flaring gas. The gas pipeline is under construction. Our plans are to be on line the first week of October pending the approval for a pollution permit for the compressor.

RECEIVED

SEP 25 1992

DIVISION OF
OIL GAS & MINING

COPY

18. I hereby certify that the foregoing is true and correct

SIGNED

Michael J. Farrens

TITLE

Michael J. Farrens

Vice Pres. of Utah Operations

DATE

9/21/92

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					5. LEASE DESIGNATION AND SERIAL NO. ML39335	
1A. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>					6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1B. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____					7. UNIT AGREEMENT NAME UTU67921X Drunkards Wash	
2. NAME OF OPERATOR River Gas of Utah, Inc.					8. FARM OR LEASE NAME Utah	
3. ADDRESS OF OPERATOR 3600 Watermelon Road, Suite 204, Northport, AL 35091					9. WELL NO. 25-9-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any applicable regulations) At surface 877' FEL & 1683' FSL (NE/4 SE/4) At top prod. interval reported below At total depth					10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 25, T14S, R9E S.L.B. & M.						
14. API NO. 4300730130		DATE ISSUED 5/15/91		12. COUNTY Carbon		13. STATE UT
15. DATE SPUDDED 6/6/91	16. DATE T.D. REACHED 6/11/91	17. DATE COMPL. (Ready to prod.) 8/29/92 (Plug & Abd.)		18. ELEVATIONS (DF, RER, RT, GR, ETC.) GL 5721'		19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TYD 1702'	21. PLUG BACK T.D., MD & TYD	22. IF MULTIPLE COMPL. HOW MANY none		23. INTERVALS DRILLED BY to T.D.		CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD) 1592'-1690' Ferron Coal						25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RGN CBL, GR-Comp.Den.,-Caliper; GR/Nue.Por; Sonic						27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)
28. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED
8 5/8"	24#	299.13	12 1/4"	30sxs Pacesetter & 160sxs Class G Lite		
5 1/2"	15.5#	1639.0	7 7/8"	115 sxs Pacesetter & 100 sxs Class G Lite		
29. LINER RECORD						
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD	
					SIZE	DEPTH SET (MD)
					2 7/8"	1684.13'
31. PERFORATION RECORD (Interval, size and number) Cavity Completion (open hole) 1592'-1598' & 1606'-1612' - 4 spf				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 1645-1690 1592-98; 1606-12 Amount and kind of material used Cavity Completion 90,000# sand, 57,000 gls x-link gel		
33. PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping - 2 1/2" x 2" x 12 40" Flexcite			WELL STATUS (Producing or shut-in) Testing	
DATE OF TEST 9/23/92	HOURS TESTED 48	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. N/A	GAS—MCF. 49 MCFD	WATER—BBL. 72 bwpd
FLOW, TUBING PRESS. 20	CASING PRESSURE 195 psi	CALCULATED 24-HOUR RATE →	OIL—BBL. 85 MCFD	GAS—MCF. 316 BWPD	WATER—BBL. N/A	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented (flared)				TEST WITNESSED BY Michael J. Farrens		
35. LIST OF ATTACHMENTS						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED <u>Michael J. Farrens</u>		TITLE <u>Michael J. Farrens</u>		DATE <u>10/6/92</u>		
		VP Utah Operations				

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

UTAH 25-9-1

37. SUMMARY OF POROUS ZONES:

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

38.

SEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth		True Vert. Depth
						Top	
FERRON	1560	TD 1702'	SANDSTONE & COAL				

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG											
1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other Coalbed Methane					2. NAME OF OPERATOR River Gas of Utah, Inc.						
3. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other					4. ADDRESS OF OPERATOR 3600 Watermelon Road, Suite 204, Northport, AL 35476						
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 877' FEL & 1683' FSL (NE/4 SE/4) At top prod. interval reported below At total depth					6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A						
7. UNIT AGREEMENT NAME UTU67921X Drunkards Wash					8. FARM OR LEASE NAME Utah						
9. WELL NO. 25-9-1					10. FIELD AND POOL, OR WILDCAT Wildcat						
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 25, T14S, R9E S.L.B. & M.					12. COUNTY Carbon						
13. STATE UT					14. API NO. 4300730130						
15. DATE SPUDDED 6/6/91					16. DATE T.D. REACHED 6/11/91						
17. DATE COMPL. (Ready to prod.) 8/29/92 (Plug & Abd.)					18. ELEVATIONS (DF, RES, RT, CR, ETC.) GL 5721'						
19. ELEV. CASINGHEAD 1702'					20. TOTAL DEPTH, MD & TVD 1702'						
21. PLUG BACK T.D., MD & TVD					22. IF MULTIPLE COMPL., HOW MANY none						
23. INTERVALS DRILLED BY to T.D.					24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 1592'-1690' Ferron Coal						
25. WAS DIRECTIONAL SURVEY MADE No					26. TYPE ELECTRIC AND OTHER LOGS RUN MUDLOG 10-19-92 CBL, GR-Comp.Den.,-Caliper; GR/Nue.Por; Sonic						
27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)					28. CASING RECORD (Report all strings set in well)						
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8 5/8"		24#		299.13		12 1/4"		30sxs Pacesetter & 160sxs Class G Lite			
5 1/2"		15.5#		1639.0		7 7/8"		115 sxs Pacesetter & 100 sxs Class G Lite			
29. LINER RECORD						30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		SIZE	
										2 7/8"	
										1684.13'	
										N/A	
31. PERFORATION RECORD (Interval, size and number) Cavity Completion (open hole) 1592'-1598' & 1606'-1612' - 4 spf						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE ETC. DEPTH INTERVAL (MD) 1645-1690 1592-98;1606-12 AMOUNT AND KIND OF MATERIAL USED Cavity Completion 90,000# sand, 57,000 gls x-link gel					
33. PRODUCTION DATE FIRST PRODUCTION Pumping - 2 1/2 x 2" x 12 40" Flexcite						34. WELL STATUS (Producing or shut-in) Testing					
DATE OF TEST 9/23/92		HOURS TESTED 48		CHOKE SIZE		PROD'N. FOR TEST PERIOD N/A		OIL—BSL. 49 MCFD		GAS—MCF. 72 bwpd	
FLOW, TUBING PRESS. 20		CASING PRESSURE 195 psi		CALCULATED 24-HOUR RATE 25 MCFD		OIL—BSL. 30 BWPD		GAS—MCF. 30 BWPD		WATER—BSL. OIL GRAVITY-API (CORR.)	
35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented (flared)						36. TEST WITNESSED BY Michael J. Farrens					
37. LIST OF ATTACHMENTS											
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>Michael J. Farrens</u>						TITLE <u>Michael J. Farrens</u>			DATE <u>10/6/92</u>		
						VP Utah Operations					

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

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UTAH 25-9-1

37. SUMMARY OF POROUS ZONES:

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.	38. GEOLOGIC MARKERS		
				Name	Meas. Depth	True Vert. Depth
FERRON	1560	TD 1702'	SANDSTONE & COAL			

Blm
State

RIVER GAS OF UTAH, INC.
DRUNKARDS WASH PROJECT
CARBON COUNTY, UTAH

February 5, 1993

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FEB 11 1993

DIVISION OF
OIL GAS & MINING

Date Wells Were Connected

<u>Well Name</u>	<u>API Number</u>	<u>Date Well Connected to Pipeline</u>
Utah 25-09-01 Sec 25 T14S R9E	43-007-30130	✓ 12/14/92 3:00 p.m. MST
Utah 36-01-02 Sec 36 T14S R9E	43-007-30178	Not connected
Utah 31-03-03 Sec 31 T14S R10E	43-007-30143	Not connected
Utah 36-03-04 Sec 36 T14S R9E	43-007-30142	✓ 01/25/93 4:50 p.m. MST
Utah 36-09-05 Sec 36 T14S R9E	43-007-30144	Not connected
Utah 25-07-06 Sec 25 T14S R9E	43-007-30156	✓ 12/14/92 3:00 p.m. MST
Utah 25-11-07 Sec 25 T14S R9E	43-007-30157	✓ 12/14/92 3:00 p.m. MST
Utah 26-16-08 Sec 26 T14S R9E	43-007-30181	✓ 01/25/93 4:50 p.m. MST
Utah 35-01-09 Sec 35 T14S R9E	43-007-30180	✓ 01/27/93 9:00 p.m. MST
Utah 31-12-10 Sec 31 T14S R10E	43-007-30183	Not connected
Utah 36-11-11 Sec 36 T14S R9E	43-007-30184	✓ 01/25/93 4:50 p.m. MST
Utah 19-14-12 Sec 19 T14S R10E	43-007-30182	(Not drilled yet)
Utah 30-05-13 Sec 30 T14S R10E	43-007-30179	✓ 01/27/93 7:00 p.m. MST
Utah 30-13-14 Sec 30 T14S R10E	43-007-30185	✓ 02/02/93 4:00 p.m. MST

DRUNKARDS WASH PROJECT
DEVELOPMENT PROGRAM (PHASE I & II)
AS OF 02/04/93

	25-9-1	36-1-2	31-3-3	36-3-4	36-9-5	25-7-6	25-11-7	26-16-8	35-1-9	31-12-10	36-11-11	30-5-13	30-13-14
DRILLED	X	X	X	X	X	X	X	X	X	X	X	X	X
FRACED	X	X	X	X	X	X	X	X	X	X	X	X	X
PIPELINE LAID	X	X	X	X	X	X	X	X	X	X	X	X	X
FLOW LINE LAID FR/WELL TO SEP	X	X	X	X	X	X	X	X	X	X	X	X	X
SEPARATOR PAD SET	X	X	X	X	X	X	X	X	X	X	X	X	X
SEPARATOR INSTALLED	X			X		X	X	X	X	X	X	X	X
FLOW COMPUTER SET	X			X		X	X	X	X	X	X	X	X
TRANSFORMER PAD SET												X	
PUMPING UNIT INSTALLED	X			X	X	X	X	X	X		X	X	X
ELECTRICITY INSTALLED													
ELECTRIC MOTOR & PANEL INSTALLED													
GAS ENGINE INSTALLED - TEMPORARILY	X					X	X					X	X
WELL CONNECTED TO SALES LINE	X			X		X	X	X	X		X	X	X

RECEIVED

FEB 11 1993

DIVISION OF
OIL GAS & MINING

RECEIVED

MAR 15 1993

DIVISION OF
OIL GAS & MININGRIVER GAS OF UTAH, INC.
DRUNKARDS WASH PROJECT
CARBON COUNTY, UTAH

March 10, 1993

Date Wells Were Connected

<u>Well Name</u>	<u>API Number</u>	<u>Date Well Connected to Pipeline</u>
Utah 25-09-01	43-007-30130 <i>Sec 25 T14S R 9E</i>	12/14/92 3:00 p.m. MST
Utah 36-01-02	43-007-30178	02/18/93 3:00 p.m. MST
Utah 31-03-03	43-007-30143	03/08/93 8:30 p.m. MST
Utah 36-03-04	43-007-30142	01/25/93 4:50 p.m. MST
Utah 36-09-05	43-007-30144	03/09/93 1:30 p.m. MST
Utah 25-07-06	43-007-30156	12/14/92 3:00 p.m. MST
Utah 25-11-07	43-007-30157	12/14/92 3:00 p.m. MST
Utah 26-16-08	43-007-30181	01/25/93 4:50 p.m. MST
Utah 35-01-09	43-007-30180	01/27/93 9:00 p.m. MST
Utah 31-12-10	43-007-30183	02/15/93 3:00 p.m. MST
Utah 36-11-11	43-007-30184	01/25/93 4:50 p.m. MST
Utah 19-14-12	43-007-30182	(Not drilled yet)
Utah 30-05-13	43-007-30179	01/27/93 7:00 p.m. MST
Utah 30-13-14	43-007-30185	02/02/93 4:00 p.m. MST

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML 39335

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

DRUNKARDS WASH UNIT
UTU67921X

9. Well Name and Number

UTAH 25-9-1

10. API Well Number

43-007-30130

11. Field and Pool, or Wildcat

WILDCAT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well

☐ Oil Well ☒ Gas Well ☒ Other (specify) **COALBED METHANE**

2. Name of Operator

RIVER GAS OF UTAH, INC.

3. Address of Operator

3600 WATERMELON RD, STE 204, NORTHPORT, AL

4. Telephone Number

205-759-3282

5. Location of Well

Footage : 877' FEL & 1683' FSL

County : CARBON

QQ, Sec, T., R., M. : NE/4 OF SE/4 SEC. 25, T14S, R9E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>see below</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

RGU wants to put a small 10'x10'x4' pit on location. This pit will be constructed with native materials. The surface material is the Mancos Shale. This pit will be used to blow down the separator once or twice a month. Approximately 3 barrels of produced water will be put into the pit at one time. See Attachment 1 for site-specific scores.

RECEIVED

JUL 20 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature MICHAEL J. FARRENS

Michael J. Farrens

Title VICE PRESIDENT

Date 7/14/93

(State Use Only)

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 7-21-93

By: *[Signature]*

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	0
Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20	0
Distance to Nearest Municipal Well (feet) >5280 1320 to 5280 500 to 1320 <500	0 5 10 20	0
Distance to Other Wells (feet) >1320 300 to 1320 <300	0 10 20	0
Native Soil Type Low permeability Mod. permeability High permeability	0 10 20	0
Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	10
Drill Cuttings Normal Rock Salt or detrimental	0 10	0

Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0

Final Score	10
-------------	----

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ROBERT SINGLETON
 RIVER GAS OF UTAH INC
 511 ENERGY CENTER BLVD
 NORTHPORT AL 35476

UTAH ACCOUNT NUMBER: N1600REPORT PERIOD (MONTH/YEAR): 12 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ E. G. TELONIS ETAL #1								
4300730107	07101	14S 09E 20	FRSD			- FEE		
✓ GOVT. W.A. DREW 2								
4300730114	10778	14S 09E 34	FRSD			- 112612		
✓ STELLA-HAMAKER #1								
4300730116	10849	15S 08E 10	FRSD			- FEE		
✓ PINNACLE PEAK UNIT 2								
4300730117	10921	14S 09E 19	FRSD			- FEE		
✓ STATE OF UTAH 25-9-1								
4300730130	11256	14S 09E 25	FRSD			- mL39335		
✓ STATE OF UTAH 36-3-4								
4300730142	11256	14S 09E 36	FRSD			"		
✓ UTAH 31-3-3								
4300730143	11256	14S 10E 31	FRSD			- mL40521		
✓ UTAH 36-9-5								
4300730144	11256	14S 09E 36	FRSD			- mL38831		
✓ UTAH 25-7-6								
4300730156	11256	14S 09E 25	FRSD			- mL38828		
✓ UTAH 25-11-7								
4300730157	11256	14S 09E 25	FRSD			"		
✓ UTAH 36-1-2								
4300730178	11256	14S 09E 36	FRSD			- mL39335		
✓ UTAH 30-5-13								
4300730179	11256	14S 10E 30	FRSD			- mL39038		
✓ UTAH 35-1-9								
4300730180	11256	14S 09E 35	FRSD			- mL40115		
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

LAW OFFICES

PRUITT, GUSHEE & BACHTELL

SUITE 1850 BENEFICIAL LIFE TOWER

SALT LAKE CITY, UTAH 84111-1405

(801) 531-8446

ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.
THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
ANGELA L. FRANKLIN

TELECOPIER (801) 531-8468

OF COUNSEL
JOHN F. WALDO
BRENT A. BOHMAN

February 17, 1995

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Lisha Cordova

Re: *River Gas Corporation Merger*

Dear Ms. Cordova:

As you may recall, this office serves as Utah legal counsel for River Gas Corporation ("RGC"). Effective January 1, 1995, River Gas of Utah, Inc. ("RGU") merged into RGC as evidenced by the enclosed Certification of Articles of Merger issued by the Utah Department of Commerce. I have also enclosed a listing of all wells which, to the best of RGC's knowledge, RGU operated and an amendment to the Letter of Credit from RGU's surety recognizing the merger and confirming bond coverage for RGC.

Based on the enclosed documentation, please change your records to reflect that RGC is the current operator of all wells formerly operated by RGU. If a formal decision letter recognizing the merger is to be executed, please send the original to RGC at the following address:

River Gas Corporation
Attention: Joseph L. Stephenson, Vice President-Land
511 Energy Center Blvd.
Northport, Alabama 35476,

with a copy to me at the letterhead address.

RECEIVED

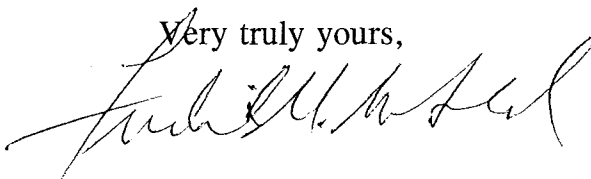
FEB 17 1995

DIVISION OF
OIL, GAS & MINING

Utah Division of Oil, Gas and Mining
February 17, 1995
Page 2

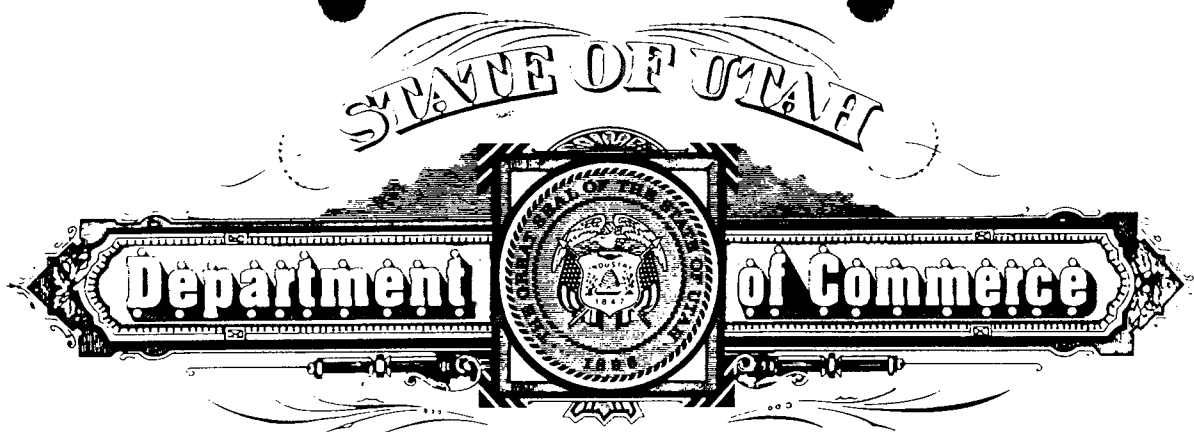
I thank you in advance for your time and cooperation and, should there be any questions or problems, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Frederick M. MacDonald".

Frederick M. MacDonald

FMM:sp
1526.39
Enclosures
cc: Joseph L. Stephenson



CERTIFICATION OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE HEREBY CERTIFIES THAT Articles of Merger were filed with this office on January 1, 1995, merging RIVER GAS OF UTAH, INC., a corporation of the State of Utah, into RIVER GAS CORPORATION, the surviving corporation which is of the State of Alabama,

AS APPEARS OF RECORD IN THE OFFICES OF THE DIVISION.

File Number: *CO 171151*



Dated this 16th day
of February, 19 95.

Korla S. Woods

Korla T. Woods
Director, Division of
Corporations and Commercial Code

Speed Letter®

To Ed Bonner

From Don Staley

~~State Lands~~ SCHOOL & INSTITUTIONAL
TRUST LANDS ADMIN.

Oil, Gas and Mining

Subject Operator Change

— No. 9 & 10 FOLD
MESSAGE

Date 3/10 19 95

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: River Gas of Utah Inc (N1600)

New Operator : River Gas Corporation (N1605)

Well:

API:

Entity:

S-T-R:

See Attachments

— No. 9 FOLD

— No. 10 FOLD

CC: Operator File

Signed

Don Staley

REPLY

Date _____ 19 ____

— No. 9 & 10 FOLD

Signed

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LFC / GHL
2-LWP / 7-PL
3- DTF 8-SJ
4-VLC 9-FILE
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-95)

TO (new operator) RIVER GAS CORPORATION
 (address) 511 ENERGY CENTER BLVD
NORTHPORT AL 35476
 phone (205) 759-3282
 account no. N 1605 (2-1-95)

FROM (former operator) RIVER GAS OF UTAH INC
 (address) 511 ENERGY CENTER BLVD
NORTHPORT AL 35476
 phone (205) 759-3282
 account no. N 1600

Well(s) (attach additional page if needed):

***DRUNKARDS WASH UNIT**

Name: **SEE ATTACHED**	API: <u>007-30130</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Y 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 2-1-95) (Rec'd 2-17-95)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- Y 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #171151. (c# 12/94)
- Y 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Y 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-2-95)
- LWP 6. Cardex file has been updated for each well listed above. 3-8-95
- LWP 7. Well file labels have been updated for each well listed above. 3-9-95
- Y 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-6-95)
- Y 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

**Trust Lands / IDLOC # 5304606 / 80,000 "Nm Chg. Rider rec'd 8 Aprv."*

- ec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *IDLOC # 5308586 / 80,000 "Nm Chg. Rider rec'd 1-30-95"*
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases. *3/10/95 to Ed Bonner*

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 27 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

** 6/15/95 Aprv. AH. 2-16-95.*

950307 GH/WIC FE Not necessary 31-01-DI/WIC, Telon's #1/WDA, Area #1/WDA.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

877' FEL, 1683' FSL

QQ, Sec., T., R., M.: NE/SE, SEC. 25, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

ML39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

9. API Well Number:

43-007-30130

10. Field or Pool, or Wildcat:

WILDCAT

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other _____ | Chemical Treatment |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the above referenced well was chemically treated with 4000 gallons of low pH fluid on 03/04/97.

13.

Name & Signature: Jerry H. Dietz

Title: Production Engineer

Date: 4/2/97

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages: 877' FEL, 1683' FSL

QQ, Sec., T., R., M.: NE/SE SEC. 25, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU-67921X - Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

9. API Well Number:

43-007-30130

10. Field or Pool, or Wildcat:

Wildcat

County: Carbon County

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

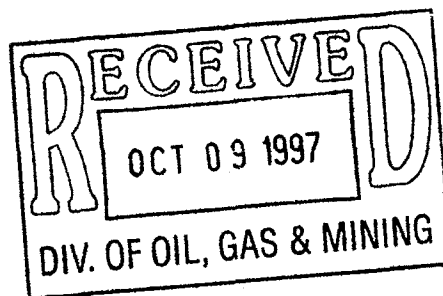
- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ Chemical Treatment | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the above referenced well was chemically treated with 4000 gallons of low pH fluid on 09/24/97.



13.

Name & Signature: Jerry H. Dietz

Title: Field Supervisor/Engineer

Date: 10/05/97

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages: 877' FEL, 1683' FSL

QQ, Sec., T., R., M.: NE/SE SEC. 25, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU-67921X - Drunkards Wash

8. Well Name and Number:

Utah 25-9-1

9. API Well Number:

43-007-30130

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input checked="" type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other _____ | |

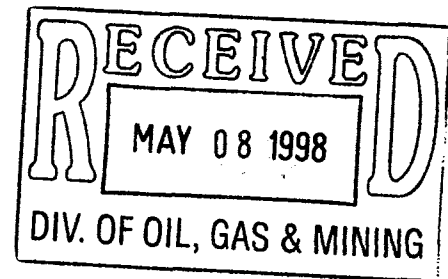
Date of work completion _____ Chemical Treatment

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid and 250 gallons of 7% HCL on 04/22/98.



13.

Name & Signature: Jerry H. Dietz

Title: Field Superintendent/Engineer

Date: 04/28/98

(This space for state use only)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

COPY**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (435) 637-8876

4. Location of Well

Footage:

877' FEL, 1683' FSL

Qd. Sec., T., R., M.:

NE/SE SEC. 25, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML - 39335

6. If Indian, Altona or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

9. API Well Number:

43-007-30130

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

State: Utah

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> | |

Date of work completion January 25, 1999

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid and 250 gallons of 7 1/2% HCL on 01/25/99.

13.

Name & Signature: Jerry H. DietzTitle: Field Superintendent/EngineerDate: 02/03/99

(This space for state use only)

WTC
3-30-99
RSH

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (435) 637-8876

4. Location of Well

Footages: 877' FEL, 1683' FSL

QQ, Sec., T., R., M.: NE/SE SEC. 25, T14S, R09E, SLB & M

5. Lease Designation and Serial Number:

ML - 39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

9. API Well Number:

43-007-30130

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
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| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
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Date of work completion January 25, 1999

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Name & Signature: Jerry H. DietzTitle: Field Superintendent/EngineerDate: 02/03/99

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777

4. Location of Well

Footages: County:

877' FEL, 1683' FSL

QQ, Sec., T., R., M.: State:

NE/SE SEC. 25, T14S, R09E, SLB & M

Carbon County

Utah

5. Lease Designation and Serial Number:

ML - 39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

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43-007-30130

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Drunkards Wash

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|--|--|
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SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|--|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> | |
| Date of work completion <u>07/05/2000</u> | |

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

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Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid & 250 gallons of 7 1/2% HCL on 07/05/00.

RECEIVED

JUL 25 2000

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: Rochelle Crabtree Title: Administrative Assistant Date: 07/19/2000

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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River Gas Corporation

3. Address and Telephone Number:

6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777

4. Location of Well

Footages: County:

877' FEL, 1683' FSL

QQ, Sec., T., R., M.: State:

NE/SE SEC. 25, T14S, R09E, SLB & M

Carbon County

Utah

5. Lease Designation and Serial Number:

ML - 39335

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Utah 25-09-01

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43-007-30130

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Drunkards Wash

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| <input type="checkbox"/> Other _____ | |
- Approximate date work will start _____

SUBSEQUENT REPORT
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- | | |
|---|--|
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| <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> | |
- Date of work completion 07/05/2000

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RECEIVED

7/19/2000

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: Rochelle Crabtree

Title: Administrative Assistant

Date: 07/19/2000

(This space for state use only)

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

WTC

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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River Gas Corporation

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4 Location of Well
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QQ, Sec., T., R., M.:

SLB & M

5 Lease Designation and Serial Number:

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7 Unit Agreement Name:

8 Well Name and Number:

9 API Well Number:

10 Field or Pool, or Wildcat:

County: Carbon County

State: Utah

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| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |
| Approximate date work will start _____ | |

SUBSEQUENT REPORT (Submit Original Form Only)

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| Date of work completion _____ | |

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12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that River Gas Corporation is transferring ownership of the attached list of wells to Phillips Petroleum Company 9780 Mt. Pyramid Court, Englewood, CO 80112.

Please direct all correspondence and reports to: Phillips Petroleum Company P.O. Box 3368, Englewood, CO 80155-3368.

Effective 1/1/01

13

Name & Signature: Cal Hurtt



Title: Development Manager

Date: 12/19/00

(This space for state use only)

Drunkards Wash Total Well Count

(Through 2000 Drilling Season)

Well #	API #	Location	Section	Tship	Range
Utah 25-09-01	4300730130	1683 FSL, 877 FEL	25	14S	09E
Utah 36-01-02	4300730178	600 FNL, 620 FEL	36	14S	09E
Utah 31-03-03	4300730143	740 FNL, 1780 FWL	31	14S	10E
Utah 36-03-04	4300730142	822 FNL, 2176 FWL	36	14S	09E
Utah 36-09-05	4300730144	2050 FSL, 700 FEL	36	14S	09E
Utah 25-07-06	4300730156	2599 FNL, 1902 FEL	25	14S	09E
Utah 25-11-07	4300730157	1718 FSL, 2210 FWL	25	14S	09E
Utah 26-16-08	4300730181	800 FSL, 750 FEL	26	14S	09E
Utah 35-01-09	4300730180	650 FNL, 850 FEL	35	14S	09E
Utah 31-12-10	4300730183	1995 FSL, 745 FWL	31	14S	10E
Utah 36-11-11	4300730184	1837 FSL, 1903 FWL	36	14S	09E
Utah 19-14-12	4300730182	860 FSL, 1780 FWL	19	14S	10E
Utah 30-05-13	4300730179	1493 FNL, 728 FWL	30	14S	10E
Utah 30-13-14	4300730185	612 FSL, 670 FWL	30	14S	10E
Utah 24-01-15	4300730191	1320 FNL, 1320 FEL	24	14S	09E
Utah 24-03-16	4300730187	1310 FNL, 1525 FWL	24	14S	09E
Utah 24-12-17	4300730208	1320 FSL, 1320 FWL	24	14S	09E
Utah 24-16-18	4300730192	482 FSL, 940 FEL	24	14S	09E
Utah 23-02-19	4300730207	963 FNL, 1470 FEL	23	14S	09E
Utah 23-04-20	4300730194	1291 FNL, 1257 FWL	23	14S	09E
Utah 23-14-21	4300730200	739 FSL, 1716 FWL	23	14S	09E
Utah 23-09-22	4300730201	1320 FSL, 1320 FEL	23	14S	09E
Utah 26-01-23	4300730205	1320 FNL, 1320 FEL	26	14S	09E
Utah 26-06-24	4300730202	1480 FNL, 2000 FWL	26	14S	09E
Utah 26-11-25	4300730204	1500 FSL, 1500 FWL	26	14S	09E
Utah 35-03-26	4300730203	1085 FNL, 1805 FWL	35	14S	09E
Utah 35-10-27	4300730197	2567 FSL, 2151 FEL	35	14S	09E
Utah 35-13-28	4300730198	1236 FSL, 1152 FWL	35	14S	09E
Utah 27-08-29	4300730193	2134 FNL, 753 FEL	27	14S	09E
Utah 27-09-30	4300730186	1359 FSL, 707 FEL	27	14S	09E
Utah 34-01-31	4300730196	464 FNL, 540 FEL	34	14S	09E
Utah 34-09-32	4300730195	1938 FSL, 435 FEL	34	14S	09E
Utah 25-04-33	4300730206	920 FNL, 780 FWL	25	14S	09E
Prettyman 10-15-34	4300730211	842 FSL, 1419 FEL	10	14S	09E
Utah 10-36	4300730302	1213 FNL, 469 FEL	10	15S	09E
Utah 12-15-37	4300730210	1158 FSL, 1494 FEL	12	15S	09E
Utah 06-38	4300730217	899 FNL, 1730 FEL	6	15S	10E
Utah 06-39	4300730218	934 FNL, 819 FWL	6	15S	10E
Utah 06-40	4300730219	2180 FSL, 1780 FEL	6	15S	10E
Utah 06-41	4300730254	2124 FSL, 1054 FWL	6	15S	10E
Utah 01-42	4300730220	860 FNL, 1780 FEL	1	15S	09E
Utah 01-43	4300730221	808 FNL, 1451 FWL	1	15S	09E
Utah 01-44	4300730222	860 FSL, 1320 FWL	1	15S	09E
Utah 01-45	4300730223	1219 FSL, 1318 FEL	1	15S	09E
Utah 02-46	4300730224	860 FNL, 860 FEL	2	15S	09E

Utah 02-47	4300730225	1318 FNL, 1791 FWL	2	15S	09E
Utah 02-48	4300730226	1780 FSL, 860 FEL	2	15S	09E
Utah 02-49	4300730227	1320 FSL, 2080 FWL	2	15S	09E
Utah 11-50	4300730228	860 FNL, 860 FEL	11	15S	09E
Utah 11-51	4300730229	1000 FNL, 1900 FWL	11	15S	09E
Utah 11-52	4300730230	1400 FSL, 1100 FEL	11	15S	09E
Utah 11-53	4300730231	1780 FSL, 1800 FWL	11	15S	09E
Utah 12-54	4300730232	875 FNL, 1015 FWL	12	15S	09E
Utah 12-55	4300730233	1500 FNL, 1320 FEL	12	15S	09E
Utah 12-56	4300730234	1500 FSL, 1320 FWL	12	15S	09E
Utah 07-57	4300730235	1421 FNL, 1003 FWL	7	15S	10E
Utah 07-58	4300730236	1495 FNL, 2006 FEL	7	15S	10E
Utah 07-59	4300730237	1400 FSL, 2100 FEL	7	15S	10E
Utah 07-60	4300730238	954 FSL, 1256 FWL	7	15S	10E
Utah 14-61	4300730239	1386 FNL, 931 FEL	14	15S	09E
Utah 14-62	4300730240	980 FNL, 1385 FWL	14	15S	09E
Utah 14-63	4300730241	1780 FSL, 1320 FEL	14	15S	09E
Utah 14-64	4300730242	907 FSL, 1392 FWL	14	15S	09E
Utah 13-65	4300730243	1320 FNL, 1200 FEL	13	15S	09E
Utah 13-66	4300730244	1276 FNL, 1301 FWL	13	15S	09E
Utah 13-67	4300730245	1800 FSL, 1500 FEL	13	15S	09E
Utah 13-68	4300730246	1320 FSL, 1320 FWL	13	15S	09E
Utah 18-69	4300730427	1320 FNL, 1320 FWL	18	15S	10E
Utah 18-70	4300730248	1110 FNL, 2127 FEL	18	15S	10E
Utah 18-71	4300730249	1764 FSL, 1767 FEL	18	15S	10E
Utah 18-72	4300730250	2100 FSL, 1100 FWL	18	15S	10E
USA 19-73	4300730392	1664 FNL, 1412 FEL	19	15S	10E
Utah 14-74	4300730529	1365 FSL, 1988 FEL	14	14S	09E
Utah 14-75	4300730263	1036 FSL, 1622 FWL	14	14S	09E
Utah 22-76	4300730251	1320 FNL, 660 FEL	22	14S	09E
Utah 19-77	4300730252	1780 FSL, 660 FWL	19	14S	10E
Williams 30-78	4300730279	460 FNL, 660 FEL	30	14S	10E
Utah 31-79	4300730253	1780 FSL, 1780 FEL	31	14S	10E
Utah 24-80	4300730255	590 FNL, 1612 FWL	24	15S	09E
Utah 24-81	4300730256	1067 FNL, 1361 FEL	24	15S	09E
Utah 32-82	4300730257	600 FNL, 2028 FEL	32	15S	09E
Utah 21-83	4300730259	1780 FNL, 460 FWL	21	15S	10E
H&A 07-84	4300730258	1780 FSL, 1780 FWL	7	15S	09E
Utah 27-85	4300730261	2173 FNL, 676 FWL	27	14S	08E
Utah 24-86	4300730267	1788 FSL, 1677 FEL	24	15S	09E
Utah 24-87	4300730375	1780 FSL, 1333 FWL	24	15S	09E
USA 15-88	4300730264	872 FSL, 875 FEL	15	14S	09E
Telonis 22-89	4300730266	836 FNL, 1766 FWL	22	14S	09E
Telonis 21-90	4300730328	1272 FNL, 1188 FEL	21	14S	09E
USA 13-91	4300730568	1443 FSL, 1017 FWL	13	14S	09E
Utah 13-92	4300730439	624 FSL, 899 FEL	13	14S	09E
Utah 18-93	4300730587	556 FSL, 673 FWL	18	14S	10E
Utah 05-95	4300730269	640 FNL, 580 FWL	5	15S	10E
Utah 05-94	4300730270	1520 FSL, 1320 FWL	5	15S	10E

Utah 05-96	4300730271	1780 FSL, 2180 FEL	5	15S	10E
Utah 08-97	4300730272	1495 FNL, 1273 FEL	8	15S	10E
Utah 08-98X	4300730285	1341 FNL, 1319 FWL	8	15S	10E
Utah 08-99	4300730274	1500 FSL, 1120 FWL	8	15S	10E
Utah 08-100	4300730275	1500 FSL, 1400 FEL	8	15S	10E
Utah 17-101	4300730416	460 FNL, 2180 FEL	17	15S	10E
Utah 17-102	4300730277	810 FNL, 910 FWL	17	15S	10E
Utah 17-103	4300730278	1520 FSL, 1120 FWL	17	15S	10E
Powell 19-104	4300730282	1327 FNL, 1458 FWL	19	15S	10E
Powell 19-105	4300730283	1239 FSL, 1325 FWL	19	15S	10E
Utah 23-106	4300730280	150 FNL, 1400 FEL	23	15S	09E
Utah 23-107	4300730281	1252 FNL, 1255 FWL	23	15S	09E
Birkinshaw 19-108	4300730284	1305 FNL, 1192 FEL	19	15S	09E
Utah 36-109	4300730268	1800 FNL, 1800 FWL	36	15S	09E
Utah 16-110	4301530250	860 FSL, 2000 FWL	16	16S	09E
Fausett 09-111	4300730428	2215 FSL, 354 FEL	9	14S	09E
Fausett 10-112	4300730415	1590 FSL, 1342 FWL	10	14S	09E
Giacoletto 11-113	4300730335	500 FSL, 2070 FWL	11	14S	09E
Prettyman 11-114	4300730340	471 FSL, 1828 FEL	11	14S	09E
Giacoletto 13-120	4300730407	1200 FNL, 1219 FWL	13	14S	09E
Giacoletto 14-121	4300730345	1200 FNL, 1060 FEL	14	14S	09E
USA 14-122	4300730404	1500 FNL, 1039 FWL	14	14S	09E
Utah 30-125	4300730262	630 FSL, 1627 FEL	30	14S	10E
Utah 31-126	4300730305	1954 FNL, 1291 FEL	31	14S	10E
Robertson 32-127	4300730374	646 FNL, 349 FWL	32	14S	10E
Utah 04-129	4300730309	700 FWL, 1850 FSL	4	15S	10E
Utah 04-130	4300730519	860 FSL, 2150 FEL	4	15S	10E
Sampinos 16-131	4300730610	1201 FNL, 1016 FWL	16	15S	10E
Jensen 16-132	4300730588	1206 FSL, 1240 FWL	16	15S	10E
LDS 17-133	4300730296	1500 FSL, 1700 FEL	17	15S	10E
Utah 25-134	4300730399	745 FNL, 1482 FWL	25	15S	09E
Utah 36-135	4300730341	850 FNL, 850 FEL	36	15S	09E
Utah 36-136	4300730343	465 FSL, 660 FWL	36	15S	09E
Utah 36-137	4300730342	2180 FSL, 1800 FEL	36	15S	09E
Utah 02-138	4301530288	638 FNL, 1865 FEL	2	16S	09E
Utah 02-139	4301530289	1890 FNL, 850 FWL	2	16S	09E
Utah 02-140	4301530290	850 FSL, 1800 FWL	2	16S	09E
Utah 02-141	4301530291	1800 FSL, 1950 FEL	2	16S	09E
Telonis 15-142	4300730319	1320 FSL, 860 FWL	15	14S	09E
Fausett 16-143	4300730320	1320 FNL, 1320 FEL	16	14S	09E
Fausett 16-144	4300730321	1800 FNL, 860 FWL	16	14S	09E
Telonis 16-145	4300730322	1320 FSL, 1320 FWL	16	14S	09E
Paar 16-146	4300730323	843 FSL, 2157 FEL	16	14S	09E
Christiansen 17-147	4300730324	860 FSL, 1800 FWL	17	14S	09E
Christiansen 17-148	4300730325	1250 FSL, 1100 FEL	17	14S	09E
Birkinshaw 18-149	4300730326	500 FSL, 500 FEL	18	14S	09E
Telonis 19-150	4300730300	751 FNL, 1840 FWL	19	14S	09E
Telonis 19-151	4300730299	860 FSL, 2000 FWL	19	14S	09E
Telonis 20-152	4300730327	1320 FNL, 1900 FEL	20	14S	09E

Telonis 21-153	4300730329	860 FNL, 1800 FWL	21	14S	09E
Telonis 29-154	4300730330	800 FNL, 1500 FWL	29	14S	09E
Telonis 29-155	4300730331	1800 FSL, 1250 FWL	29	14S	09E
Telonis 30-156	4300730301	910 FNL, 868 FEL	30	14S	09E
Telonis 30-157	4300730332	1800 FSL, 580 FEL	30	14S	09E
Utah 32-158	4300730333	1038 FNL, 1768 FEL	32	14S	09E
Utah 32-159	4300730334	2011 FNL, 1426 FWL	32	14S	09E
Utah 32-160	4300730398	1500 FSL, 1780 FWL	32	14S	09E
Utah 32-161	4300730336	415 FSL, 1408 FEL	32	14S	09E
Utah 36-162	4300730315	2053 FNL, 685 FEL	36	14S	08E
Utah 36-163	4300730316	860 FNL, 2100 FWL	36	14S	08E
Utah 36-164	4300730317	1070 FSL, 2000 FWL	36	14S	08E
Utah 36-165	4300730318	1100 FSL, 1500 FEL	36	14S	08E
Utah 02-166	4300730337	1219 FNL, 1738 FEL	2	15S	08E
Utah 02-167	4300730338	660 FNL, 2075 FWL	2	15S	08E
Utah 02-168	4300730339	1800 FSL, 2100 FWL	2	15S	08E
Utah 02-169	4300730308	754 FSL, 1000 FEL	2	15S	08E
Seamons 32-170	4300730291	700 FNL, 500 FWL	32	13S	09E
Pinnacle Peak 19-171	4300730117	1320 FSL, 1320 FEL	19	14S	09E
Telonis 20-172	4300730107	1980 FSL, 660 FEL	20	14S	09E
Powell 30-173	4300730346	1200 FNL, 1200 FWL	30	15S	10E
Stella-Hamaker 10-174	4300730116	852 FNL, 1971 FWL	10	15S	08E
Utah 31-175	4301530317	897 FNL, 1731 FWL	31	16S	09E
USA 15-176	4300730450	2588 FNL, 1155 FEL	15	14S	09E
USA 09-178	4300730419	428 FSL, 2527 FWL	9	14S	09E
USA 17-180A	4300730622	2563 FNL, 1383 FWL	17	14S	09E
USA 18-182	4300730417	1068 FSL, 1972 FWL	18	14S	09E
USA 24-183	4300730469	828 FNL, 624 FEL	24	14S	08E
Utah 27-187	4300730395	1400 FNL, 1400 FWL	27	14S	09E
Utah 27-188	4300730292	477 FSL, 518 FWL	27	14S	09E
Utah 28-189	4300730396	1707 FNL, 868 FEL	28	14S	09E
Utah 28-190	4300730397	1969 FNL, 1324 FWL	28	14S	09E
Utah 28-191	4300730293	693 FSL, 1623 FWL	28	14S	09E
Utah 28-192	4300730294	1407 FNL, 1940 FWL	28	14S	09E
Utah 29-193	4300730405	693 FNL, 1029 FEL	29	14S	09E
Utah 29-194	4300730427	951 FSL, 370 FEL	29	14S	09E
Utah 30-195	4300730265	1407 FNL, 1940 FWL	30	14S	09E
Utah 30-196	4300730344	1056 FSL, 1984 FWL	30	14S	09E
Kakatsidas 31-197	4300730420	619 FNL, 1361 FEL	31	14S	09E
Utah 31-198	4300730406	1403 FNL, 1540 FWL	31	14S	09E
Utah 31-199	4300730480	1125 FSL, 928 FWL	31	14S	09E
Utah 31-200	4300730385	2118 FSL, 549 FEL	31	14S	09E
Utah 33-201	4300730386	317 FNL, 1815 FEL	33	14S	09E
Utah 33-202	4300730387	1939 FNL, 1593 FWL	33	14S	09E
Utah 33-203	4300730388	1373 FSL, 1140 FWL	33	14S	09E
Utah 33-204	4300730389	2024 FSL, 1525 FEL	33	14S	09E
Utah 05-205	4300730384	1485 FNL, 760 FEL	5	15S	09E
Utah 05-206	4300730390	1300 FNL, 1352 FWL	5	15S	09E
Utah 06-207	4300730391	825 FNL, 928 FEL	6	15S	08E

Utah 01-208	4300730464	1246 FNL, 1831 FEL	1	15S	09E
Utah 01-209	4300730467	2271 FSL, 1251 FEL	1	15S	09E
Utah 34-211	4300730114	1181 FSL, 1005 FWL	34	14S	09E
Utah 03-212	4300730468	1187 FNL, 1761 FEL	3	15S	09E
Utah 03-213	4300730381	1466 FNL, 2041 FWL	3	15S	09E
Utah 03-214	4300730295	813 FSL, 966 FWL	3	15S	09E
Utah 03-215	4300730297	988 FSL, 604 FEL	3	15S	09E
Utah 04-216	4300730382	1610 FNL, 810 FEL	4	15S	09E
Utah 04-217	4300730383	1343 FNL, 1119 FWL	4	15S	09E
Utah 04-218	4300730418	1084 FSL, 509 FEL	4	15S	09E
Utah 10-219	4300730298	805 FNL, 756 FWL	10	15S	09E
Utah 10-220	4300730432	474 FSL, 372 FWL	10	15S	09E
Utah 10-221	4300730303	1602 FSL, 2032 FEL	10	15S	09E
USA 19-222	4300730393	1574 FSL, 1647 FEL	19	15S	10E
Utah 06-223	4300730430	1636 FSL, 1085 FEL	6	15S	09E
Utah 05-225	4300730440	421 FSL, 498 FEL	5	15S	09E
Utah 04-226	4300730408	571 FSL, 2331 FWL	4	15S	09E
Utah 09-227	4300730449	652 FNL, 1331 FEL	9	15S	09E
Utah 09-228	4300730413	1444 FNL, 1520 FWL	9	15S	09E
Utah 09-229	4300730414	1595 FSL, 2051 FWL	9	15S	09E
Utah 08-230	4300730410	2003 FNL, 960 FEL	8	15S	09E
Utah 08-231	4300730411	1321 FNL, 1738 FWL	8	15S	09E
H&A 08-232	4300730412	1135 FSL, 1497 FWL	8	15S	09E
Utah 08-233	4300730488	468 FSL, 2030 FEL	8	15S	09E
Utah 07-234	4300730409	1876 FNL, 875 FEL	7	15S	09E
Utah 07-235	4300730421	2098 FSL, 510 FEL	7	15S	09E
H&A 18-236	4300730459	896 FNL, 1511 FEL	18	15S	09E
Utah 18-237	4300730485	1867 FSL, 1920 FEL	18	15S	09E
Utah 17-238	4300730510	677 FNL, 1321 FEL	17	15S	09E
Utah 17-239	4300730511	1383 FNL, 1576 FWL	17	15S	09E
Utah 17-240	4300730512	1977 FSL, 1394 FWL	17	15S	09E
Utah 17-241	4300730513	1668 FSL, 2222 FEL	17	15S	08E
USA 12-242	4300730482	1738 FNL, 1505 FEL	12	15S	08E
USA 12-243	4300730486	950 FNL, 232 FWL	12	15S	08E
USA 11-244	4300730463	1151 FNL, 1690 FEL	11	15S	08E
USA 11-245	4300730462	1234 FNL, 1743 FWL	11	15S	08E
Utah 01-246	4300730566	1619 FNL, 170 FWL	1	15S	09E
Utah 01-247	4300730465	594 FSL, 266 FWL	1	15S	08E
USA 35-248	4300730582	828 FSL, 1245 FEL	35	15S	09E
USA 30-251	4300730403	1169 FSL, 913 FWL	30	15S	10E
Utah 25-252	4300730400	1937 FNL, 1416 FEL	25	15S	09E
Utah 25-253	4300730401	809 FSL, 899 FWL	25	15S	09E
Utah 25-254	4300730402	1787 FSL, 1954 FEL	25	15S	09E
Utah 26-255	4300730446	1209 FNL, 755 FEL	26	15S	09E
Utah 26-256	4300730445	1274 FSL, 1351 FWL	26	15S	09E
Utah 26-257	4300730444	1263 FSL, 1368 FEL	26	15S	09E
Utah 34-258	4300730552	1198 FNL, 1880 FEL	34	15S	09E
Utah 34-259	4300730456	1662 FSL, 2046 FEL	34	15S	09E
Utah 35-260	4300730447	814 FNL, 1900 FEL	35	15S	09E

Utah 35-261	4300730442	615 FNL, 818 FWL	35	15S	09E
Utah 35-262	4300730443	1657 FSL, 1850 FWL	35	15S	09E
Utah 35-263	4300730441	1785 FSL, 946 FEL	35	15S	09E
USA 01-264	4301530336	1055 FNL, 441 FWL	1	16S	09E
USA 01-265	4301530337	1739 FSL, 636 FWL	1	16S	09E
Woolstenhulme 05-266	4300730481	1389 FNL, 2179 FEL	5	15S	10E
Utah 26-267	4300730514	1836 FNL, 2130 FWL	26	15S	09E
Utah 27-268	4300730457	1125 FSL, 1682 FWL	26	15S	09E
Utah 27-269	4300730458	1661 FSL, 795 FEL	27	15S	09E
Utah 34-270	4300730347	774 FNL, 756 FWL	34	15S	09E
Utah 34-271	4300730496	1693 FSL, 965 FWL	34	15S	09E
Utah 33-272	4300730502	694 FNL, 2034 FEL	33	15S	09E
Utah 33-273	4300730493	1922 FNL, 328 FWL	33	15S	09E
Utah 33-274	4300730494	1098 FSL, 1673 FWL	33	15S	09E
Utah 33-275	4300730495	1401 FSL, 1029 FEL	33	15S	09E
Utah 32-276	4300730483	738 FL, 1318 FWL	32	15S	09E
Utah 32-277	4300730484	1613 FSL, 1931 FEL	32	15S	09E
Utah 05-278	4301530278	1665 FNL, 1923 FEL	5	15S	09E
Utah 04-279	4301530340	1020 FNL, 1757 FEL	4	16S	09E
Utah 04-280	4301530341	2087 FNL, 1627 FWL	4	16S	09E
Utah 04-281	4301530399	999 FSL, 896 FWL	4	16S	09E
Utah 04-282	4301530342	2188 FSL, 911 FEL	4	16S	09E
Utah 03-283	4301530349	461 FNL, 1772 FEL	3	16S	09E
Utah 03-284	4301530346	1218 FNL, 753 FWL	3	16S	09E
Utah 03-285	4301530345	1917 FSL, 546 FWL	3	16S	09E
Utah 03-286	4301530344	1690 FSL, 1958 FEL	3	16S	09E
USA 20-287	4300730448	1395 FNL, 979 FWL	20	15S	10E
USA 20-288	4300730451	1566 FSL, 1125 FWL	20	15S	10E
USA 30-289	4300730452	1184 FNL, 1353 FEL	30	15S	10E
USA 30-290	4300730453	1080 FSL, 1508 FEL	30	14S	10E
USA 11-291	4300730501	2609 FNL, 1994 FEL	11	14S	09E
USA 11-292	4300730500	2483 FNL, 664 FWL	11	14S	09E
USA 10-293	4300730498	2011 FNL, 847 FEL	10	14S	09E
USA 10-294	4300730497	1750 FNL, 769 FWL	10	14S	09E
USA 09-295	4300730499	696 FNL, 1198 FEL	9	14S	09E
Fausett 09-296	4300730455	2072 FNL, 798 FWL	9	14S	09E
USA 08-297	4300730491	789 FNL, 958 FEL	8	14S	09E
Ritzakis 08-298	4300730475	798 FNL, 2018 FWL	8	14S	09E
Ritzakis 08-299	4300730479	2187 FSL, 1885 FWL	8	14S	09E
Ritzakis 08-300	4300730476	2485 FSL, 1522 FEL	8	14S	09E
USA 04-302	4300730489	1076 FSL, 1860 FWL	4	14S	09E
USA 04-303	4300730490	597 FSL, 984 FEL	4	14S	09E
Ritzakis 05-304	4300730473	688 FSL, 1888 FWL	5	14S	09E
Ritzakis 05-305	4300730474	1104 FSL, 1196 FEL	5	14S	09E
USA 06-306	4300730492	399 FSL, 306 FEL	6	14S	09E
Helper 07-307	4300730487	672 FNL, 962 FWL	7	15S	09E
USA 31-310	4300730516	624 FNL, 1238 FWL	31	15S	10E
USA 31-311	4300730517	1934 FSL, 973 FWL	31	15S	10E
USA 01-312	4301530350	1453 FNL, 1881 FEL	1	16S	09E

USA 11-314	4301530353	1262 FNL, 1136 FWL	11	16S	09E
USA 10-317	4301530352	1221 FNL, 1104 FEL	10	16S	09E
USA 12-322	4300730576	492 FSL, 495 FWL	10	15S	08E
USA 12-323	4300730577	540 FSL, 784 FEL	12	15S	08E
USA 11-324	4300730575	732 FSL, 1763 FEL	11	15S	08E
USA 14-325	4300730579	890 FNL, 1469 FEL	14	15S	08E
USA 13-326	4300730581	1065 FNL, 1563 FEL	13	15S	08E
USA 13-327	4300730578	1092 FNL, 941 FWL	13	15S	08E
USA 35-328	4300730583	964 FSL, 1999 FWL	35	14S	08E
Utah 09-329	4300730561	884 FSL, 1324 FEL	9	15S	09E
Utah 06-330	4300730562	938 FNL, 1564 FWL	6	15S	09E
Utah 20-333	4300730669	1069 FNL, 1460 FEL	20	15S	09E
Utah 20-334	4300730625	932 FNL, 1655 FWL	20	15S	09E
Utah 20-335	4300730626	2152 FSL, 1716 FWL	20	15S	09E
Utah 19-337	4300730623	926 FNL, 768 FEL	19	15S	09E
Utah 19-338	4300730624	1789 FSL, 1426 FEL	19	15S	09E
Utah 05-343	4301530400	1795 FNL, 1431 FWL	5	16S	09E
Utah 05-344	4301530401	1316 FSL, 1343 FWL	5	16S	09E
Utah 05-345	4301530402	908 FSL, 1449 FEL	5	16S	09E
Utah 08-354	4301530395	1073 FNL, 1914 FEL	8	16S	09E
Utah 08-355	4301530378	1673 FNL, 850 FWL	8	16S	09E
Utah 08-356	4301530379	1701 FSL, 799 FWL	8	16S	09E
Utah 08-357	4301530380	1722 FSL, 1599 FEL	8	16S	09E
Utah 09-358	4301530300	2097 FNL, 1634 FEL	9	16S	09E
Utah 09-359	4301530407	1787 FNL, 871 FWL	9	16S	09E
Utah 09-360	4301530397	1323 FSL, 881 FWL	9	16S	09E
Utah 09-361	4301530408	1564 FSL, 1998 FEL	9	16S	09E
USA 10-362	4301530424	2225 FNL, 494 FWL	10	16S	09E
USA 14-386	4300730634	592 FNL, 2236 FWL	14	15S	08E
USA 24-387	4300730612	1243 FSL, 2306 FWL	10	14S	08E
USA 24-388	4300730613	1177 FSL, 612 FEL	24	14S	08E
Utah 25-389	4300730600	737 FNL, 1976 FEL	25	14S	08E
Utah 25-390	4300730599	1540 FNL, 1354 FWL	25	14S	08E
Utah 25-391A	4300730658	1264 FSL, 1573 FWL	25	14S	08E
Utah 25-392	4300730602	2045 FSL, 1718 FEL	25	14S	09E
USA 26-393	4300730614	1666 FNL, 874 FEL	26	14S	08E
USA 26-394	4300730615	856 FSL, 2377 FWL	26	14S	08E
USA 26-395	4300730616	1927 FSL, 830 FEL	26	14S	08E
USA 35-396	4300730584	616 FNL, 1896 FEL	35	14S	08E
USA 35-397	4300730585	949 FNL, 1264 FWL	35	14S	08E
USA 20-398	4300730590	1374 FNL, 1387 FEL	20	15S	10E
USA 20-399	4300730591	1445 FSL, 1128 FEL	20	15S	10E
Utah 09-412	4300730580	1102 FSL, 1018 FWL	9	15S	10E
Utah 09-413	4300730605	1007 FNL, 1197 FWL	9	15S	10E
Utah 10-415	4301530391	1090 FNL, 557 FEL	10	16S	08E
USA 14-416	4300730646	892 FSL, 1311 FWL	14	15S	08E
USA 14-417	4300730647	1741 FSL, 1054 FEL	14	15S	09E
USA 13-418	4300730645	737 FSL, 793 FEL	13	15S	08E
USA 13-419	4300730631	2617 FSL, 1958 FEL	13	15S	08E

USA 23-423	4300730611	408 FSL, 924 FEL	23	14S	08E
USA 34-434	4300730621	1342 FSL, 922 FEL	34	14S	08E
USA 18-435	4300730619	1868 FNL, 793 FWL	18	14S	09E
USA 07-436	4300730630	3121 FNL, 871 FEL	7	14S	09E
USA 03-442	4300730710	899 FNL, 553 FEL	3	15S	08E
USA 24-443	4300730651	1780 FNL, 2247 FEL	24	15S	08E
USA 24-444	4300730648	1338 FNL, 1153 FWL	24	15S	08E
USA 24-446	4300730708	1377 FNL, 2340 FWL	24	14S	08E
USA 13-447	4300730707	2044 FSL, 741 FEL	13	14S	08E
USA 24-448	4300730652	2146 FSL, 2021 FEL	24	15S	08E
Utah 34-456	4300730713	755 FNL, 1377 FEL	34	14S	08E
USA 13-470	4300730706	1741 FNL, 554 FEL	13	14S	08E
Utah 06-483	4300730716	2456 FSL, 988 FWL	6	15S	09E
American Quasar D1	4300730040	999 FSL, 1552 FWL	31	14S	10E
Arcadia-Telonis D2	4300730093	465 FSL, 560 FEL	19	14S	09E
Utah D3	4300730290	1600 FSL, 1530 FEL	18	15S	10E
Utah D4	4300730314	600 FNL, 500 FWL	24	14S	09E
Fausett D5	4300730351	467 FNL, 1461 FWL	16	14S	09E
Drew D6	4300730100	1300 FSL, 830 FWL	34	14S	09E
Utah D7	4301530338	1371 FSL, 1530 FEL	2	14S	09E
Utah D8	4300730431	1342 FNL, 350 FWL	12	15S	09E
Utah D9	4300730438	1960 FNL, 1487 FWL	32	14S	09E
RGC D10	4300730520	162 FNL, 1557 FEL	28	15S	09E
USA D11	4301530356	1513 FNL, 2437 FEL	13	16S	09E
Sampinos D14	4300730567	1695 FSL, 2133 FEL	16	15S	10E

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OLIVER W GUSHEE, JR

OF COUNSEL:
ROBERT G PRUITT, III
BRENT A BOHMAN

January 29, 2001

HAND DELIVERED

Mr. Jim Thompson
Utah Division of Oil, Gas & Mining
1594 W. North Temple
Salt Lake City, UT 84116

Re: River Gas/Phillips Merger

Dear Mr. Thompson:

As you may know, River Gas Corporation ("RGC") merged into Phillips Petroleum Company ("Phillips") effective December 31, 2000 at 11:59 p.m. I have enclosed a Certificate of Articles of Merger issued by the Utah Department of Commerce and, although duplicative, a sundry notice formally evidencing the merger for your records, and a list of all wells, including injection wells, formerly operated by RGC.

Please change the Division's records to reflect the change in operator of these wells from RGC to Phillips. All operational questions should be directed to Phillips at the following address:

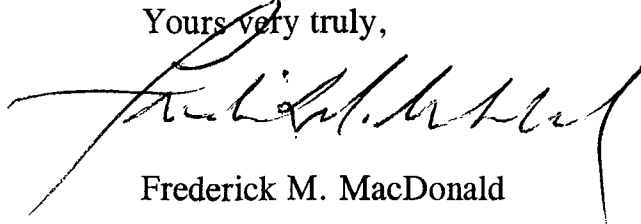
Phillips Petroleum Company
Attn: Billy Stacy, Operations Manager
P.O. Box 3368
Englewood, CO 80155-3368
Telephone No.: (720) 344-4984

Phillips currently has a bond on file with the Division (a copy of which is enclosed for your reference), but I understand an \$80,000 Letter of Credit is in the process of being substituted.

Mr. Jim Thompson
January 29, 2001
Page 2

On behalf of Phillips, I thank you for your cooperation. Should you have any further questions or concerns, please do not hesitate to contact me.

Yours very truly,

A handwritten signature in black ink, appearing to read "Frederick M. MacDonald", with a long, sweeping horizontal stroke extending to the left.

Frederick M. MacDonald

FMM:cs
2078.16
Enclosures
cc: W. H. Rainbolt
Billy Stacy



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, Box 146705
Salt Lake City, UT 84114-6705
Phone: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web site: <http://www.commerce.state.ut.us>

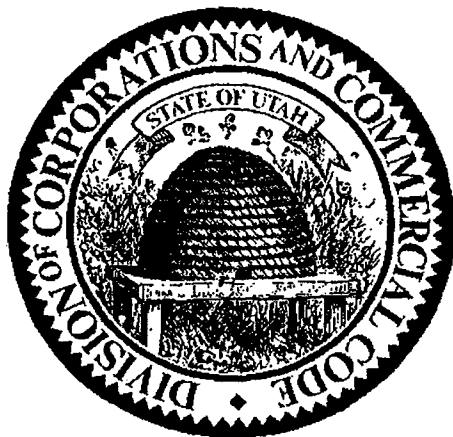
Registration Number: 562960-0143
Business Name: PHILLIPS PETROLEUM COMPANY
Registered Date: JUNE 14, 1946

01/12/01

CERTIFICATE OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE ("DIVISION") HEREBY CERTIFIES THAT

ARTICLES OF MERGER WERE FILED WITH THIS OFFICE ON DECEMBER 12, 2000 MERGING RIVER GAS CORPORATION, A CORPORATION OF THE STATE OF ALABAMA, INTO PHILLIPS PETROLEUM COMPANY, THE SURVIVING CORPORATION WHICH IS OF THE STATE OF DELAWARE, AS APPEARS OF RECORD IN THE OFFICE OF THE DIVISION.



Ric Campbell

Ric Campbell
Acting Division Director of
Corporations and Commercial Code

Dept. of Professional Licensing
(801)530-6628

Real Estate
(801)530-6747

Public Utilities
(801)530-6651

Securities
(801)530-6600

Consumer Protection
(801)530-6601

State of Delaware
Office of the Secretary of State

PAGE 1

12/13/2000
Receipt Number: 188532
Amount Paid: \$145.00

(TS)

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RIVER GAS CORPORATION", A ALABAMA CORPORATION,
WITH AND INTO "PHILLIPS PETROLEUM COMPANY" UNDER THE NAME OF "PHILLIPS PETROLEUM COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTH DAY OF DECEMBER, A.D. 2000, AT 10 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2000, AT 11:59 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

12-12-00P04:02 RCVD

(TAP)
FILED

DEC 12 2000

Utah Div. Of Corp. & Comm. Code

State of Utah
Department of Commerce
Division of Corporations and Commercial Code
I hereby certify that the foregoing has been filed
and approved on this 12 day of Dec 2000
in the office of this Division and hereby issue
this Certificate thereof.

Examiner



RIC CAMPBELL
ACTING DIRECTOR



Edward J. Freel, Secretary of State
AUTHENTICATION: 0837738

0064324 8100M

001609453

DATE: 12-07-00

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RIVER GAS CORPORATION

(an Alabama corporation)

into

Phillips Petroleum Company

(a Delaware corporation)

It is hereby certified that:

1. Phillips Petroleum Company [hereinafter sometimes referred to as the "Corporation"] is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of each class of stock of River Gas Corporation, which is a business corporation of the State of Alabama.

3. The laws of the jurisdiction of organization of River Gas Corporation permit the merger of a business corporation of that jurisdiction with a business corporation of another jurisdiction.

4. The Corporation hereby merges River Gas Corporation into the Corporation.

5. The following is a copy of the resolutions adopted on November 21, 2000 by the Board of Directors of the Corporation to merge the said River Gas Corporation into the Corporation:

"1. Phillips Petroleum Company, which is a business corporation of the State of Delaware and is the owner of all of the outstanding shares of River Gas Corporation, which is a business corporation of the State of Alabama, hereby merges River Gas Corporation into Phillips Petroleum Company pursuant to the provisions of the Alabama Business Corporation Act and pursuant to the

12-12-00P04:02 RCVD

provisions of Section 253 of the General Corporation Law of Delaware.

"2. The separate existence of River Gas Corporation shall cease at the effective time and date of the merger pursuant to the provisions of the Alabama Business Corporation Act; and Phillips Petroleum Company shall continue its existence as the surviving corporation pursuant to the provisions of Section 253 of the General Corporation Law of Delaware.

"3. The Articles of Incorporation of Phillips Petroleum Company are not amended in any respect by this Plan of Merger.

"4. The issued shares of River Gas Corporation shall not be converted or exchanged in any manner, but each said share which is issued immediately prior to the effective time and date of the merger shall be surrendered and extinguished.

"5. Each share of Phillips Petroleum Company outstanding immediately prior to the effective time and date of the merger is to be an identical outstanding share of Phillips Petroleum Company at the effective time and date of the merger.

"6. No shares of Phillips Petroleum Company and no shares, securities, or obligations convertible into such shares are to be issued or delivered under this Plan of Merger.

"7. The Board of Directors and the proper officers of Phillips Petroleum Company are hereby authorized, empowered, and directed to do any and all acts and things, and to make, execute, deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of this Plan of Merger or of the merger herein provided for."

"This Company approves that the effective time and date of the merger herein provided for in the State of Alabama shall be 11:59 p.m. on December 31, 2000."

"Any Vice President, the Treasurer, any Assistant Treasurer, the Secretary, any Assistant Secretary, and each of them severally, be and hereby is authorized to make, execute,

deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of these resolutions and to do or cause to be done all such acts as are necessary to give effect to the purpose and intent of the approval herein set forth."

6. This Certificate of Ownership and Merger shall be effective at 11:59 p.m. on December 31, 2000.

Executed on November 27, 2000

Phillips Petroleum Company

N. A. Loftis
N. A. Loftis, Assistant Secretary



United States Department of Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
UTU-47157 et al
(UT-932)

JAN 30 2001

NOTICE

Phillips Petroleum Company	:	Oil and Gas
Attn: W. H. Rainbolt, Rocky Mtn. Region-Land	:	
Box 1967	:	
Houston, TX 77251-1967	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of River Gas Corporation into Phillips Petroleum Company with Phillips Petroleum Company being the surviving entity.

The oil and gas lease files and rights-of-way files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by the representative of the companies, and verified by our computerized records. We have not adjudicated the case files to determine if the entity affected by the merger holds an interest in the leases identified, nor have we attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

By recognition of the merger the obligor is automatically changed by operation of law from River Gas Corporation to Phillips Petroleum Company on Letter of Credit No. P-207337 (BLM Bond No. UT0829). A rider to BLM Bond No. ES0048 assuming any and all liabilities of BLM Bond No. UT0829 must be submitted for approval to the Eastern States Office, Attn: Bill Forbes, 7450 Boston Boulevard, Springfield, VA 22153. After the rider is approved, the Letter of Credit will be returned to the financial institution that issued it.

ROBERT LOPEZ

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

RECEIVED

JAN 30 2001

DIVISION OF
OIL, GAS AND MINERAL

cc:

Moab Field Office

Vernal Field Office

Price Field Office

MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217

State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114

The Chase Manhattan Bank, Attn: Standby Letter of Credit Dept., 4 Chase Metrotech Center, 8th Floor
Brooklyn, NY 11245

Teresa Thompson (UT-931)

LaVerne Steah (UT-942)

Pruitt, Gushee & Bachtell, Attn: Frederick M. MacDonald, Suite 1850 Beneficial Life Tower,
Salt Lake City, Utah 84111-1495

BLM, Eastern States Office (Attn: Bill Forbes)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS	✓
2. CDW	✓	5-PTD	✓
3. JLT		6-FILE	

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-2000****FROM:** (Old Operator):

RIVER GAS CORPORATION

Address: 6825 S. 5300 W. P. O. BOX 851

PRICE, UT 84501

Phone: 1-(435)-613-9777

Account N1605

TO: (New Operator):

PHILLIPS PETROLEUM COMPANY

Address: P. O. BOX 3368

ENGLEWOOD, CO 80155-3368

Phone: 1-(720)-344-4984

Account N1475

CA No.

Unit: DRUNKARDS WASH

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
USA 25-389	43-007-30600	11256	25-14S-08E	STATE	GW	P
USA 25-390	43-007-30599	11256	25-14S-08E	STATE	GW	P
USA 25-392	43-007-30602	11256	25-14S-08E	STATE	GW	P
USA 36-162	43-007-30315	11256	36-14S-08E	STATE	GW	P
USA 36-163	43-007-30316	11256	36-14S-08E	STATE	GW	P
USA 36-164	43-007-30317	11256	36-14S-08E	STATE	GW	P
USA 36-165	43-007-30318	11256	36-14S-08E	STATE	GW	P
USA 10-294	43-007-30497	11256	10-14S-09E	STATE	GW	P
USA 13-92	43-007-30439	11256	13-14S-09E	STATE	GW	P
USA 22-76	43-007-30251	11256	22-14S-09E	STATE	GW	P
USA 23-4-20	43-007-30194	11256	23-14S-09E	STATE	GW	P
USA 23-14-21	43-007-30200	11256	23-14S-09E	STATE	GW	P
USA 23-9-22	43-007-30201	11256	23-14S-09E	STATE	GW	P
USA 23-2-19	43-007-30207	11256	23-14S-09E	STATE	GW	P
USA 24-3-16	43-007-30187	11256	24-14S-09E	STATE	GW	P
USA 24-01-15	43-007-30191	11256	24-14S-09E	STATE	GW	P
USA 24-16-18	43-007-30192	11256	24-14S-09E	STATE	GW	P
USA 24-12-17	43-007-30208	11256	24-14S-09E	STATE	GW	P
STATE OF UTAH 25-9-1	43-007-30130	11256	25-14S-09E	STATE	GW	P
USA 23-107	43-007-30281	11256	23-15S-09E	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/15/2001

4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted on: _____
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/30/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Pro:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/26/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/26/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3-19-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:



Re: Notice of Address Change, Merger and Name Change
Address Change effective **December 2, 2002**
Merger and Name Change effective **December 31, 2002**

Divisions of Oil, Gas, and Mining
Attn: Mr. John Baza
1594 West North Temple,
Suite 1210, P. O. Box 145801
Salt Lake City, UT 84114-5801

Gentlemen:

1. Effective December 2, 2002, Phillips Petroleum Company will close its Englewood, Colorado Rocky Mountain Region office. After that time, all correspondence, notices and invoice for Land related matters should be directed to the address(es) noted below. Note that until December 31, 2002, all properties in which Phillips held an interest will continue to be operated by Phillips Petroleum Company, a wholly-owned subsidiary of ConocoPhillips.

2. On December 31, 2002, Phillips Petroleum Company and Conoco Inc. will merge, and the surviving corporation will be renamed "ConocoPhillips Company".

In accordance with the notice provisions of the Operating Agreements and other agreements, if any, between our companies, please adjust your company/organization records, effective for address purposes as of December 2, 2002, and for company name purposes, as of January 1, 2003, to reflect the following information for addressing and delivery of notices, invoicing and payment, and communications with ConocoPhillips Company. This will also apply to Lease Sale notices and other lease-related correspondence and notifications.

U.S. Mail Address:

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Chief Landman,
San Juan/Rockies

Physical Address & Overnight Delivery:

ConocoPhillips Company
550 Westlake Park Blvd.
Three Westlake Park
3WL, Room WL 9000
Houston, Texas 77079
Attn: Chief Landman,
San Juan/Rockies

All ballots and official notices/responses sent by facsimile transmission should be sent to the following contact:

**Attn: Chief Landman,
San Juan/Rockies**

**Fax No.: 832-486-2688 or
832-486-2687**

Please contact the undersigned immediately if you have any questions. This notice does not apply to royalty inquiries, joint interest billings, or revenue remittances. Please continue to use the same addresses you are currently using for these matters

Sincerely,

RECEIVED

DEC 02 2002

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>All</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 980 Plaza Office CITY Bartlesville STATE OK ZIP 74004		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (918) 661-4415		8. WELL NAME and NUMBER: See Attached List
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		9. API NUMBER: See List
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.


Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned to ConocoPhillips Company.

Please send production reporting forms to Herb Henderson at ConocoPhillips Company, 315 S. Johnstone, 980 Plaza Office, Bartlesville, OK 74004. Herb's phone number is 918-661-4415.

Current Operator
Phillips Petroleum Company


Steve de Albuquerque

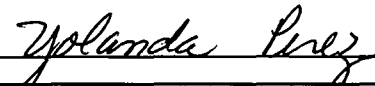
New Operator
ConocoPhillips Company


Yolanda Perez

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Yolanda Perez</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE 	DATE <u>12/30/2002</u>

(This space for State use only)

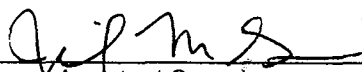


SECRETARY'S CERTIFICATE

I, the undersigned, Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, formerly Phillips Petroleum Company, organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), hereby certify that:

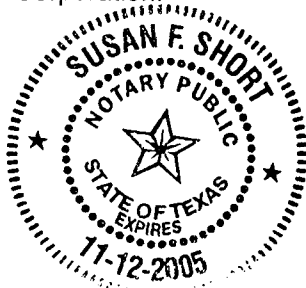
1. As Assistant Secretary I am authorized to execute this certificate on behalf of the Corporation.
2. The attached photocopy of the Certificate of Amendment to the Restated Certificate of Incorporation of Phillips Petroleum Company (to be renamed ConocoPhillips Company) is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of January 1, 2003 and such Certificate of Amendment has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.
3. The attached photocopy of the Certificate of Merger of Conoco Inc. with and into ConocoPhillips Company is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of December 31, 2002 and such Certificate of Merger has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand as Assistant Secretary and affixed the corporate seal of the Corporation this 7th day of January 2003.


Assistant Secretary
ConocoPhillips Company

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

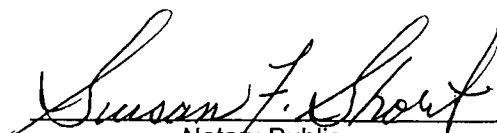
This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING


Notary Public

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:41 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183360

DATE: 01-02-03

FROM RL&F#1

(THU) 12.12'02 13:32/ST. 13:34:40
STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 01:41 PM 12/12/2002
020763238 - 0064324

CERTIFICATE OF AMENDMENT

to the

RESTATED CERTIFICATE OF INCORPORATION

of

**PHILLIPS PETROLEUM COMPANY
(to be renamed ConocoPhillips Company)**

Phillips Petroleum Company ("Phillips"), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "DGCL"), hereby certifies that:

1. The amendments to Phillips' Restated Certificate of Incorporation set forth below were duly adopted in accordance with the provisions of Section 242 of the DGCL and have been consented to in writing by the sole stockholder of Phillips in accordance with Section 228 of the DGCL.

2. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Article I thereof and replacing in lieu thereof a new Article I reading in its entirety as follows:

"The name of the corporation (which is hereinafter referred to as the "Corporation") is ConocoPhillips Company."

3. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Section 1 of Article IV thereof and replacing in lieu thereof a new Section 1 reading in its entirety as follows:

"Section 1. The Corporation shall be authorized to issue 2,100 shares of capital stock, of which 2,100 shares shall be shares of Common Stock, \$.01 par value ("Common Stock")."

4. Pursuant to Section 103(d) of the DGCL, this amendment will become effective at 11:00 p.m., Eastern time, on December 31, 2002.

HOU03:884504.1

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

FROM RL&F#1

(THU) 12. 12' 02 13:32/ST. 13:31/NO. 4864756279 P 6

IN WITNESS WHEREOF, Phillips has caused this certificate to be executed this
12th day of December, 2002.

PHILLIPS PETROLEUM COMPANY

By: 

Name: Rick A. Harrington
Title: Senior Vice President, Legal,
and General Counsel

HOU03:884504.1

RECEIVED
JAN 08 2003
DIV. OF OIL, GAS & MINING

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CONOCO INC.", A DELAWARE CORPORATION,

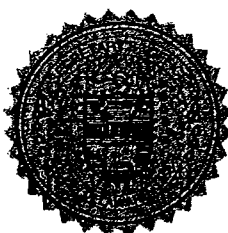
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11:59 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100M

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183370

DATE: 01-02-03

(THU) 12.12'02 13:35/ST. 13:39
STATE OF DELAWARE
~~SECRETARY OF STATE~~
DIVISION OF CORPORATIONS
FILED 01:44 PM 12/12/2002
020763253 - 0064324

of

with and into

Phillips Petroleum Company, a Delaware corporation to be renamed ConocoPhillips Company prior to the effective time of this certificate of merger (the "Surviving Corporation"), in compliance with the requirements of the General Corporation Law of the State of Delaware (the "DGCL") and desiring to effect a merger of Conoco Inc., a Delaware corporation formerly incorporated under the name Du Pont Holdings, Inc. (the "Merging Corporation," and together with the Surviving Corporation, the "Constituent Corporations"), with and into the Surviving Corporation, and acting by its duly authorized officer, DOES HEREBY CERTIFY that:

NAME _____

STATE OF INCORPORATION

PHILLIPS PETROLEUM COMPANY

Delaware

CONOCO INC.

Delaware

Second: An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the Constituent Corporations in accordance with the requirements of Section 251 of the DGCL;

Third: The name of the Surviving Corporation will be ConocoPhillips Company;

Fourth: The Certificate of Incorporation of ConocoPhillips Company immediately prior to the merger shall be the Certificate of Incorporation of the Surviving Corporation until such time as it may be amended in accordance with applicable law and the provisions thereof;

Fifth: The executed agreement and plan of merger is on file at an office of the Surviving Corporation, the address of which is 600 North Dairy Ashford, Houston, Texas 77079:

RECEIVED

JAN 08 2003

HOU03:877675.4

DIV. OF OIL, GAS & MINING

Sixth: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

Seventh: Pursuant to Section 103(d) of the DGCL, this certificate of merger will become effective at 11:59 p.m., Eastern time, on December 31, 2002.

Dated: December 12, 2002

PHILLIPS PETROLEUM COMPANY
(a Delaware corporation)

By: 

Name: Rick A. Harrington

Title: Senior Vice President, Legal,
and General Counsel

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
REGISTRATION

CONOCOPHILLIPS COMPANY

EFFECTIVE
06/14/1946

EXPIRATION
*RENEWAL

REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

Corporation - Foreign - Profit
562960-0143

UNITED STATES CORP CO
CONOCOPHILLIPS COMPANY
GATEWAY TOWER EAST STE 900
10 EAST SOUTH TEMPLE
SLC UT 84133

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS & COMMERCIAL CODE
REGISTRATION

EFFECTIVE DATE: 06/14/1946

EXPIRATION DATE: *RENEWAL

ISSUED TO: CONOCOPHILLIPS COMPANY



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

562960-0143 Corporation - Foreign - Profit

*RENEWAL

You will need to renew your registration each anniversary date of the effective date.

Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30887-00-00	ANDREEN 32-529	Gas Well	APD	32	14	S	10	E
43-007-30865-00-00	COTNER 29-549	Gas Well	APD	29	14	S	10	E
43-007-30837-00-00	DALLIN 32-615	Gas Well	APD	32	13	S	9	E
43-047-34551-00-00	FED 43-24-3 #1	Gas Well	APD	24	10	S	17	E
43-047-33982-00-00	FEDERAL 12-17 #1	Gas Well	APD	17	10	S	18	E
43-047-34471-00-00	FEDERAL 12-29-7 1	Gas Well	APD	29	9	S	19	E
43-047-34472-00-00	FEDERAL 31-31-6 1	Gas Well	APD	31	9	S	19	E
43-007-30864-00-00	MCKENDRICK 29-548	Gas Well	APD	29	14	S	10	E
43-015-30512-00-00	PPCO 19-379	Gas Well	APD	19	16	S	9	E
43-015-30515-00-00	PPCO 24-562	Gas Well	APD	24	16	S	8	E
43-015-30548-00-00	PPCO 30-605	Gas Well	APD	30	16	S	9	E
43-007-30888-00-00	PRICE 32-438	Gas Well	APD	32	14	S	10	E
43-007-30813-00-00	RITZAKIS 33-514	Gas Well	APD	33	13	S	9	E
43-007-30766-00-00	RITZAKIS 33-516	Gas Well	APD	33	13	S	9	E
43-007-30838-00-00	ROWLEY 32-616	Gas Well	APD	32	13	S	9	E
43-007-30863-00-00	SCHMIDT 29-531	Gas Well	APD	29	14	S	10	E
43-007-30797-00-00	SEELY 15-498	Gas Well	APD	15	14	S	8	E
43-007-30798-00-00	SEELY 15-499	Gas Well	APD	15	14	S	8	E
43-007-30799-00-00	SEELY 15-500	Gas Well	APD	15	14	S	8	E
43-007-30796-00-00	SEELY 22-492	Gas Well	APD	22	14	S	8	E
43-007-30801-00-00	SEELY 22-502	Gas Well	APD	22	14	S	8	E
43-007-30802-00-00	SEELY 22-503	Gas Well	APD	22	14	S	8	E
43-007-30711-00-00	USA 09-452	Gas Well	APD	9	15	S	8	E
43-015-30351-00-00	USA 11-313	Gas Well	APD	11	16	S	9	E
43-015-30398-00-00	USA 12-385	Gas Well	APD	12	16	S	9	E
43-015-30409-00-00	USA 12-426	Gas Well	APD	12	16	S	9	E
43-007-30805-00-00	USA 14-490	Gas Well	APD	14	14	S	8	E
43-007-30806-00-00	USA 14-491	Gas Well	APD	14	14	S	8	E
43-007-30676-00-00	USA 15-421	Gas Well	APD	15	15	S	8	E
43-015-30417-00-00	USA 21-427	Gas Well	APD	21	16	S	9	E
43-015-30416-00-00	USA 21-428	Gas Well	APD	21	16	S	9	E
43-015-30415-00-00	USA 21-429	Gas Well	APD	21	16	S	9	E
43-007-30515-00-00	USA 31-309	Gas Well	APD	31	15	S	10	E
43-007-30835-00-00	USA 33-515	Gas Well	APD	33	13	S	9	E
43-007-30836-00-00	USA 33-624	Gas Well	APD	33	13	S	9	E
43-007-30803-00-00	USA 34-518	Gas Well	APD	34	14	S	8	E
43-007-30478-00-00	UTAH 05-224	Gas Well	APD	5	15	S	9	E
43-015-30411-00-00	UTAH 16-365	Gas Well	APD	16	16	S	9	E
43-015-30412-00-00	UTAH 16-366	Gas Well	APD	16	16	S	9	E
43-015-30413-00-00	UTAH 16-430	Gas Well	APD	16	16	S	9	E
43-015-30299-00-00	UTAH 18-374	Gas Well	APD	18	16	S	9	E
43-015-30420-00-00	UTAH 19-377	Gas Well	APD	19	16	S	9	E
43-015-30492-00-00	UTAH 19-378	Gas Well	APD	19	16	S	9	E
43-007-30891-00-00	UTAH 19-533	Gas Well	APD	19	14	S	10	E
43-015-30414-00-00	UTAH 20-381	Gas Well	APD	20	16	S	9	E
43-015-30421-00-00	UTAH 20-382	Gas Well	APD	20	16	S	9	E
43-015-30518-00-00	UTAH 25-576	Gas Well	APD	25	16	S	8	E
43-015-30539-00-00	UTAH 25-578	Gas Well	APD	25	16	S	8	E
43-015-30540-00-00	UTAH 25-579	Gas Well	APD	25	16	S	8	E
43-007-30817-00-00	UTAH 25-618	Gas Well	APD	25	13	S	9	E
43-015-30543-00-00	UTAH 26-582	Gas Well	APD	26	16	S	8	E
43-015-30547-00-00	UTAH 29-608	Gas Well	APD	29	16	S	9	E
43-007-30889-00-00	UTAH 32-128	Gas Well	APD	32	14	S	10	E
43-007-30814-00-00	UTAH 35-506	Gas Well	APD	35	13	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-047-33750-00-00	FEDERAL 34-29	Gas Well	P	29	9	S	19	E
43-007-30782-00-00	GAROFOLA 26-482	Gas Well	P	26	15	S	8	E
43-007-30335-00-00	GIACOLETTO 11-113	Gas Well	P	11	14	S	9	E
43-007-30407-00-00	GIACOLETTO 13-120	Gas Well	P	13	14	S	9	E
43-007-30345-00-00	GIACOLETTO 14-121	Gas Well	P	14	14	S	9	E
43-007-30487-00-00	HELPER & ASSOC 07-307	Gas Well	P	7	15	S	9	E
43-007-30459-00-00	HELPER & ASSOC 18-236	Gas Well	P	18	15	S	9	E
43-007-30720-00-00	HELPER & ASSOC 18-308	Gas Well	P	18	15	S	9	E
43-007-30412-00-00	HELPER & ASSOC 8-232	Gas Well	P	8	15	S	9	E
43-007-30258-00-00	HELPER & ASSOCIATES 7-84	Gas Well	P	7	15	S	9	E
43-007-30588-00-00	JENSEN 16-132	Gas Well	P	16	15	S	10	E
43-007-30420-00-00	KAKATSIDES 31-197	Gas Well	P	31	14	S	9	E
43-007-30296-00-00	LDS 17-133	Gas Well	P	17	15	S	10	E
43-007-30323-00-00	PAAR 16-146	Gas Well	P	16	14	S	9	E
43-047-34286-00-00	PETES WASH 23-12 #1	Gas Well	P	12	10	S	17	E
43-007-30748-00-00	PIERUCCI 25-461	Gas Well	P	25	15	S	8	E
43-007-30749-00-00	PIERUCCI 25-462	Gas Well	P	25	15	S	8	E
43-007-30754-00-00	PIERUCCI 26-463	Gas Well	P	26	15	S	8	E
43-007-30755-00-00	PIERUCCI 26-464	Gas Well	P	26	15	S	8	E
43-007-30745-00-00	PIERUCCI 26-481	Gas Well	P	26	15	S	8	E
43-007-30117-00-00	PINNACLE PEAK 19-171	Gas Well	P	19	14	S	9	E
43-007-30845-00-00	PMC 10-526	Gas Well	P	10	15	S	8	E
43-007-30282-00-00	POWELL 19-104	Gas Well	P	19	15	S	10	E
43-007-30283-00-00	POWELL 19-105	Gas Well	P	19	15	S	10	E
43-007-30346-00-00	POWELL 30-173	Gas Well	P	30	15	S	10	E
43-015-30279-00-00	PPCO 10-557	Gas Well	P	10	16	S	8	E
43-015-30494-00-00	PPCO 15-555	Gas Well	P	15	16	S	8	E
43-007-30211-00-00	PRETTYMAN 10-15-34	Gas Well	P	10	14	S	9	E
43-007-30340-00-00	PRETTYMAN 11-114	Gas Well	P	11	14	S	9	E
43-007-30653-00-00	RGC 21-331	Gas Well	P	21	15	S	9	E
43-007-30743-00-00	RGC 21-332	Gas Well	P	21	15	S	9	E
43-007-30747-00-00	RGC 25-460	Gas Well	P	25	15	S	8	E
43-007-30559-00-00	RGC 28-318	Gas Well	P	28	15	S	9	E
43-007-30518-00-00	RGC 28-319	Gas Well	P	28	15	S	9	E
43-007-30509-00-00	RITZAKIS 03-408	Gas Well	P	3	14	S	9	E
43-007-30473-00-00	RITZAKIS 5-304	Gas Well	P	5	14	S	9	E
43-007-30474-00-00	RITZAKIS 5-305	Gas Well	P	5	14	S	9	E
43-007-30475-00-00	RITZAKIS 8-298	Gas Well	P	8	14	S	9	E
43-007-30479-00-00	RITZAKIS 8-299	Gas Well	P	8	14	S	9	E
43-007-30476-00-00	RITZAKIS 8-300	Gas Well	P	8	14	S	9	E
43-007-30374-00-00	ROBERTSON 32-127	Gas Well	P	32	14	S	10	E
43-007-30610-00-00	SAMPINOS 16-131	Gas Well	P	16	15	S	10	E
43-007-30723-00-00	SAMPINOS 16-454	Gas Well	P	16	15	S	10	E
43-007-30765-00-00	SAMPINOS 16-521	Gas Well	P	16	15	S	10	E
43-007-30800-00-00	SEELY 22-501	Gas Well	P	22	14	S	8	E
43-007-30130-00-00	ST OF UT 25-9-1	Gas Well	P	25	14	S	9	E
43-007-30142-00-00	ST OF UT 36-3-4	Gas Well	P	36	14	S	9	E
43-007-30116-00-00	STELLA-HAMAKER 10-174	Gas Well	P	10	15	S	8	E
43-007-30746-00-00	TABOR 23-468	Gas Well	P	23	15	S	8	E
43-007-30319-00-00	TELONIS 15-142	Gas Well	P	15	14	S	9	E
43-007-30322-00-00	TELONIS 16-145	Gas Well	P	16	14	S	9	E
43-007-30300-00-00	TELONIS 19-150	Gas Well	P	19	14	S	9	E
43-007-30299-00-00	TELONIS 19-151	Gas Well	P	19	14	S	9	E
43-007-30327-00-00	TELONIS 20-152	Gas Well	P	20	14	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30631-00-00	USA 13-419	Gas Well	P	13	15	S	8	E
43-007-30707-00-00	USA 13-447	Gas Well	P	13	14	S	8	E
43-007-30706-00-00	USA 13-470	Gas Well	P	13	14	S	8	E
43-007-30789-00-00	USA 13-474	Gas Well	P	13	14	S	8	E
43-007-30790-00-00	USA 13-475	Gas Well	P	13	14	S	8	E
43-007-30568-00-00	USA 13-91	Gas Well	P	13	14	S	9	E
43-007-30404-00-00	USA 14-122	Gas Well	P	14	14	S	9	E
43-015-30418-00-00	USA 1-425	Gas Well	P	1	16	S	9	E
43-007-30579-00-00	USA 14-325	Gas Well	P	14	15	S	8	E
43-007-30634-00-00	USA 14-386	Gas Well	P	14	15	S	8	E
43-007-30646-00-00	USA 14-416	Gas Well	P	14	15	S	8	E
43-007-30647-00-00	USA 14-417	Gas Well	P	14	15	S	8	E
43-007-30791-00-00	USA 14-476	Gas Well	P	14	14	S	8	E
43-007-30792-00-00	USA 14-477	Gas Well	P	14	14	S	8	E
43-007-30529-00-00	USA 14-74	Gas Well	P	14	14	S	9	E
43-007-30263-00-00	USA 14-75	Gas Well	P	14	14	S	9	E
43-007-30450-00-00	USA 15-176	Gas Well	P	15	14	S	9	E
43-007-30423-00-00	USA 15-177	Gas Well	P	15	14	S	9	E
43-007-30690-00-00	USA 15-420	Gas Well	P	15	15	S	8	E
43-007-30691-00-00	USA 15-422	Gas Well	P	15	15	S	8	E
43-007-30264-00-00	USA 15-88	Gas Well	P	15	14	S	9	E
43-007-30422-00-00	USA 17-179	Gas Well	P	17	14	S	9	E
43-007-30622-00-00	USA 17-180A	Gas Well	P	17	14	S	9	E
43-007-30618-00-00	USA 18-181	Gas Well	P	18	14	S	9	E
43-007-30417-00-00	USA 18-182	Gas Well	P	18	14	S	9	E
43-007-30619-00-00	USA 18-435	Gas Well	P	18	14	S	9	E
43-007-30393-00-00	USA 19-222	Gas Well	P	19	15	S	10	E
43-007-30392-00-00	USA 19-73	Gas Well	P	19	15	S	10	E
43-007-30448-00-00	USA 20-287	Gas Well	P	20	15	S	10	E
43-007-30451-00-00	USA 20-288	Gas Well	P	20	15	S	10	E
43-007-30590-00-00	USA 20-398	Gas Well	P	20	15	S	10	E
43-007-30591-00-00	USA 20-399	Gas Well	P	20	15	S	10	E
43-007-30424-00-00	USA 21-184	Gas Well	P	21	14	S	9	E
43-007-30425-00-00	USA 21-35	Gas Well	P	21	14	S	9	E
43-007-30426-00-00	USA 22-185	Gas Well	P	22	14	S	9	E
43-007-30477-00-00	USA 22-186	Gas Well	P	22	14	S	9	E
43-007-30700-00-00	USA 22-466	Gas Well	P	22	15	S	8	E
43-007-30611-00-00	USA 23-423	Gas Well	P	23	14	S	8	E
43-007-30650-00-00	USA 23-445	Gas Well	P	23	15	S	8	E
43-007-30704-00-00	USA 23-451	Gas Well	P	23	15	S	8	E
43-007-30503-00-00	USA 23-467	Gas Well	P	23	15	S	8	E
43-007-30793-00-00	USA 23-478	Gas Well	P	23	14	S	8	E
43-007-30794-00-00	USA 23-479	Gas Well	P	23	14	S	8	E
43-007-30795-00-00	USA 23-480	Gas Well	P	23	14	S	8	E
43-007-30469-00-00	USA 24-183	Gas Well	P	24	14	S	8	E
43-007-30612-00-00	USA 24-387	Gas Well	P	24	14	S	8	E
43-007-30613-00-00	USA 24-388	Gas Well	P	24	14	S	8	E
43-007-30651-00-00	USA 24-443	Gas Well	P	24	15	S	8	E
43-007-30648-00-00	USA 24-444	Gas Well	P	24	15	S	8	E
43-007-30708-00-00	USA 24-446	Gas Well	P	24	14	S	8	E
43-007-30652-00-00	USA 24-448	Gas Well	P	24	15	S	8	E
43-007-30705-00-00	USA 24-449	Gas Well	P	24	15	S	8	E
43-007-30505-00-00	USA 25-459	Gas Well	P	25	15	S	8	E
43-007-30614-00-00	USA 26-393	Gas Well	P	26	14	S	8	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30430-00-00	UTAH 06-223	Gas Well	P	6	15	S	9	E
43-007-30562-00-00	UTAH 06-330	Gas Well	P	6	15	S	9	E
43-007-30716-00-00	UTAH 06-483	Gas Well	P	6	15	S	9	E
43-007-30409-00-00	UTAH 07-234	Gas Well	P	7	15	S	9	E
43-007-30421-00-00	UTAH 07-235	Gas Well	P	7	15	S	9	E
43-007-30411-00-00	UTAH 08-231	Gas Well	P	8	15	S	9	E
43-007-30488-00-00	UTAH 08-233	Gas Well	P	8	15	S	9	E
43-015-30464-00-00	UTAH 08-354	Gas Well	P	8	16	S	9	E
43-015-30378-00-00	UTAH 08-355	Gas Well	P	8	16	S	9	E
43-015-30379-00-00	UTAH 08-356	Gas Well	P	8	16	S	9	E
43-015-30380-00-00	UTAH 08-357	Gas Well	P	8	16	S	9	E
43-007-30449-00-00	UTAH 09-227	Gas Well	P	9	15	S	9	E
43-007-30561-00-00	UTAH 09-329	Gas Well	P	9	15	S	9	E
43-015-30300-00-00	UTAH 09-358	Gas Well	P	9	16	S	9	E
43-015-30407-00-00	UTAH 09-359	Gas Well	P	9	16	S	9	E
43-015-30397-00-00	UTAH 09-360	Gas Well	P	9	16	S	9	E
43-015-30408-00-00	UTAH 09-361	Gas Well	P	9	16	S	9	E
43-007-30580-00-00	UTAH 09-412	Gas Well	P	9	15	S	10	E
43-007-30605-00-00	UTAH 09-413	Gas Well	P	9	15	S	10	E
43-007-30657-00-00	UTAH 09-450	Gas Well	P	9	15	S	10	E
43-007-30722-00-00	UTAH 09-453	Gas Well	P	9	15	S	10	E
43-007-30302-00-00	UTAH 10-01-36	Gas Well	P	10	15	S	9	E
43-007-30298-00-00	UTAH 10-219	Gas Well	P	10	15	S	9	E
43-007-30432-00-00	UTAH 10-220	Gas Well	P	10	15	S	9	E
43-007-30303-00-00	UTAH 10-221	Gas Well	P	10	15	S	9	E
43-007-30228-00-00	UTAH 11-50	Gas Well	P	11	15	S	9	E
43-007-30229-00-00	UTAH 11-51	Gas Well	P	11	15	S	9	E
43-007-30230-00-00	UTAH 11-52	Gas Well	P	11	15	S	9	E
43-007-30231-00-00	UTAH 11-53	Gas Well	P	11	15	S	9	E
43-007-30467-00-00	UTAH 1-209	Gas Well	P	1	15	S	8	E
43-007-30210-00-00	UTAH 12-15-37	Gas Well	P	12	15	S	9	E
43-007-30232-00-00	UTAH 12-54	Gas Well	P	12	15	S	9	E
43-007-30233-00-00	UTAH 12-55	Gas Well	P	12	15	S	9	E
43-007-30234-00-00	UTAH 12-56	Gas Well	P	12	15	S	9	E
43-015-30493-00-00	UTAH 13-376	Gas Well	P	13	16	S	8	E
43-015-30301-00-00	UTAH 13-550	Gas Well	P	13	16	S	8	E
43-007-30243-00-00	UTAH 13-65	Gas Well	P	13	15	S	9	E
43-007-30244-00-00	UTAH 13-66	Gas Well	P	13	15	S	9	E
43-007-30245-00-00	UTAH 13-67	Gas Well	P	13	15	S	9	E
43-007-30246-00-00	UTAH 13-68	Gas Well	P	13	15	S	9	E
43-007-30439-00-00	UTAH 13-92	Gas Well	P	13	14	S	9	E
43-007-30220-00-00	UTAH 1-42	Gas Well	P	1	15	S	9	E
43-007-30221-00-00	UTAH 1-43	Gas Well	P	1	15	S	9	E
43-007-30222-00-00	UTAH 1-44	Gas Well	P	1	15	S	9	E
43-007-30223-00-00	UTAH 1-45	Gas Well	P	1	15	S	9	E
43-015-30330-00-00	UTAH 14-551	Gas Well	P	14	16	S	8	E
43-015-30331-00-00	UTAH 14-552	Gas Well	P	14	16	S	8	E
43-007-30239-00-00	UTAH 14-61	Gas Well	P	14	15	S	9	E
43-007-30240-00-00	UTAH 14-62	Gas Well	P	14	15	S	9	E
43-007-30241-00-00	UTAH 14-63	Gas Well	P	14	15	S	9	E
43-007-30242-00-00	UTAH 14-64	Gas Well	P	14	15	S	9	E
43-015-30334-00-00	UTAH 15-553	Gas Well	P	15	16	S	8	E
43-007-30416-00-00	UTAH 17-101	Gas Well	P	17	15	S	10	E
43-007-30277-00-00	UTAH 17-102	Gas Well	P	17	15	S	10	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30255-00-00	UTAH 24-80	Gas Well	P	24	15	S	9	E
43-007-30256-00-00	UTAH 24-81	Gas Well	P	24	15	S	9	E
43-007-30267-00-00	UTAH 24-86	Gas Well	P	24	15	S	9	E
43-007-30375-00-00	UTAH 24-87	Gas Well	P	24	15	S	9	E
43-007-30227-00-00	UTAH 2-49	Gas Well	P	2	15	S	9	E
43-007-30157-00-00	UTAH 25-11-7	Gas Well	P	25	14	S	9	E
43-007-30399-00-00	UTAH 25-134	Gas Well	P	25	15	S	9	E
43-007-30400-00-00	UTAH 25-252	Gas Well	P	25	15	S	9	E
43-007-30401-00-00	UTAH 25-253	Gas Well	P	25	15	S	9	E
43-007-30402-00-00	UTAH 25-254	Gas Well	P	25	15	S	9	E
43-007-30600-00-00	UTAH 25-389	Gas Well	P	25	14	S	8	E
43-007-30599-00-00	UTAH 25-390	Gas Well	P	25	14	S	8	E
43-007-30658-00-00	UTAH 25-391	Gas Well	P	25	14	S	8	E
43-007-30602-00-00	UTAH 25-392	Gas Well	P	25	14	S	8	E
43-007-30206-00-00	UTAH 25-4-33	Gas Well	P	25	14	S	9	E
43-015-30519-00-00	UTAH 25-577	Gas Well	P	25	16	S	8	E
43-007-30156-00-00	UTAH 25-7-6	Gas Well	P	25	14	S	9	E
43-007-30204-00-00	UTAH 26-11-25	Gas Well	P	26	14	S	9	E
43-007-30205-00-00	UTAH 26-1-23	Gas Well	P	26	14	S	9	E
43-007-30181-00-00	UTAH 26-16-8	Gas Well	P	26	14	S	9	E
43-007-30446-00-00	UTAH 26-255	Gas Well	P	26	15	S	9	E
43-007-30445-00-00	UTAH 26-256	Gas Well	P	26	15	S	9	E
43-007-30444-00-00	UTAH 26-257	Gas Well	P	26	15	S	9	E
43-007-30514-00-00	UTAH 26-267	Gas Well	P	26	15	S	9	E
43-015-30541-00-00	UTAH 26-580	Gas Well	P	26	16	S	8	E
43-015-30542-00-00	UTAH 26-581	Gas Well	P	26	16	S	8	E
43-015-30544-00-00	UTAH 26-583	Gas Well	P	26	16	S	8	E
43-007-30202-00-00	UTAH 26-6-24	Gas Well	P	26	14	S	9	E
43-007-30395-00-00	UTAH 27-187	Gas Well	P	27	14	S	9	E
43-007-30292-00-00	UTAH 27-188	Gas Well	P	27	14	S	9	E
43-007-30457-00-00	UTAH 27-268	Gas Well	P	27	15	S	9	E
43-007-30458-00-00	UTAH 27-269	Gas Well	P	27	15	S	9	E
43-007-30712-00-00	UTAH 27-457	Gas Well	P	27	14	S	8	E
43-007-30714-00-00	UTAH 27-458	Gas Well	P	27	14	S	8	E
43-007-30777-00-00	UTAH 27-520	Gas Well	P	27	14	S	8	E
43-015-30545-00-00	UTAH 27-584	Gas Well	P	27	16	S	8	E
43-007-30193-00-00	UTAH 27-8-29	Gas Well	P	27	14	S	9	E
43-007-30186-00-00	UTAH 27-9-30	Gas Well	P	27	14	S	9	E
43-007-30396-00-00	UTAH 28-189	Gas Well	P	28	14	S	9	E
43-007-30397-00-00	UTAH 28-190	Gas Well	P	28	14	S	9	E
43-007-30293-00-00	UTAH 28-191	Gas Well	P	28	14	S	9	E
43-007-30294-00-00	UTAH 28-192	Gas Well	P	28	14	S	9	E
43-007-30551-00-00	UTAH 28-320	Gas Well	P	28	15	S	9	E
43-007-30560-00-00	UTAH 28-321	Gas Well	P	28	15	S	9	E
43-007-30405-00-00	UTAH 29-193	Gas Well	P	29	14	S	9	E
43-007-30427-00-00	UTAH 29-194	Gas Well	P	29	14	S	9	E
43-007-30739-00-00	UTAH 29-339	Gas Well	P	29	15	S	9	E
43-007-30740-00-00	UTAH 29-340	Gas Well	P	29	15	S	9	E
43-007-30741-00-00	UTAH 29-341	Gas Well	P	29	15	S	9	E
43-007-30742-00-00	UTAH 29-342	Gas Well	P	29	15	S	9	E
43-007-30262-00-00	UTAH 30-125	Gas Well	P	30	14	S	10	E
43-007-30185-00-00	UTAH 30-13-14	Gas Well	P	30	14	S	10	E
43-007-30265-00-00	UTAH 30-195	Gas Well	P	30	14	S	9	E
43-007-30344-00-00	UTAH 30-196	Gas Well	P	30	14	S	9	E

Utah Well List as of 12/26/02

API Well Number	Well Name	Well Type	Well Status	Sec	Twpn	Twpd	Rngn	Rngd
43-007-30178-00-00	UTAH 36-1-2	Gas Well	P	36	14	S	9	E
43-007-30341-00-00	UTAH 36-135	Gas Well	P	36	15	S	9	E
43-007-30343-00-00	UTAH 36-136	Gas Well	P	36	15	S	9	E
43-007-30342-00-00	UTAH 36-137	Gas Well	P	36	15	S	9	E
43-007-30315-00-00	UTAH 36-162	Gas Well	P	36	14	S	8	E
43-007-30316-00-00	UTAH 36-163	Gas Well	P	36	14	S	8	E
43-007-30317-00-00	UTAH 36-164	Gas Well	P	36	14	S	8	E
43-007-30318-00-00	UTAH 36-165	Gas Well	P	36	14	S	8	E
43-007-30144-00-00	UTAH 36-9-5	Gas Well	P	36	14	S	9	E
43-015-30341-00-00	UTAH 4-280	Gas Well	P	4	16	S	9	E
43-015-30342-00-00	UTAH 4-282	Gas Well	P	4	16	S	9	E
43-007-30384-00-00	UTAH 5-205	Gas Well	P	5	15	S	9	E
43-007-30269-00-00	UTAH 5-94	Gas Well	P	5	15	S	10	E
43-007-30270-00-00	UTAH 5-95	Gas Well	P	5	15	S	10	E
43-007-30271-00-00	UTAH 5-96	Gas Well	P	5	15	S	10	E
43-007-30217-00-00	UTAH 6-38	Gas Well	P	6	15	S	10	E
43-007-30218-00-00	UTAH 6-39	Gas Well	P	6	15	S	10	E
43-007-30219-00-00	UTAH 6-40	Gas Well	P	6	15	S	10	E
43-007-30254-00-00	UTAH 6-41	Gas Well	P	6	15	S	10	E
43-007-30235-00-00	UTAH 7-57	Gas Well	P	7	15	S	10	E
43-007-30236-00-00	UTAH 7-58	Gas Well	P	7	15	S	10	E
43-007-30237-00-00	UTAH 7-59	Gas Well	P	7	15	S	10	E
43-007-30238-00-00	UTAH 7-60	Gas Well	P	7	15	S	10	E
43-007-30275-00-00	UTAH 8-100	Gas Well	P	8	15	S	10	E
43-007-30410-00-00	UTAH 8-230	Gas Well	P	8	15	S	9	E
43-007-30272-00-00	UTAH 8-97	Gas Well	P	8	15	S	10	E
43-007-30285-00-00	UTAH 8-98X	Gas Well	P	8	15	S	10	E
43-007-30274-00-00	UTAH 8-99	Gas Well	P	8	15	S	10	E
43-007-30413-00-00	UTAH 9-228	Gas Well	P	9	15	S	9	E
43-007-30414-00-00	UTAH 9-229	Gas Well	P	9	15	S	9	E
43-007-30279-00-00	WILLIAMS 30-78	Gas Well	P	30	14	S	10	E
43-007-30481-00-00	WOOLSTENHULME 05-266	Gas Well	P	5	15	S	10	E
43-015-30250-00-00	UTAH 16-110	Gas Well	Shut_In	16	16	S	9	E



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Eastern States Office
7450 Boston Boulevard
Springfield, Virginia 22153

IN REPLY REFER TO
3106.8(932.34)WF

January 16, 2003

NOTICE

ConocoPhillips Company	:	Oil & Gas Leases
P.O. Box 7500	:	
Bartlesville, Oklahoma 74005	:	

Merger/Name Change Recognized

Acceptable evidence was received in this office on January 14, 2003, concerning the change of name of Phillips Petroleum Company to **ConocoPhillips Company** and the merger of **Conoco Incorporated** into **ConocoPhillips Company** on Federal oil and gas leases, with **ConocoPhillips Company** being the surviving entity.

The Secretary of the State of Delaware certified the effective date of this merger effective December 31, 2002.

The oil and gas lease files identified on the enclosed exhibit have been noted to the merger. The exhibit was compiled from a list of leases obtained from your list of leases. Eastern States has not abstracted the lease files to determine if the entities affected by this merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of this merger and name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

By Operation of law the name of the principal on Nationwide Oil and Gas Bond held by Conoco Incorporated (ES0085) has been changed to ConocoPhillips Company.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning, Use
and Protection

bc: JFO, BLM State Offices, MMS, ES RF, 930 RF, ES-932;
Bforbes:wbf:01/16/03:440-1536/ConocoPhillips Co

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW ✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-02****FROM: (Old Operator):**

PHILLIPS PETROLEUM COMPANY

Address: 980 PLAZA OFFICE

BARTLESVILLE, OK 74004

Phone: 1-(918)-661-4415

Account No. N1475

TO: (New Operator):

CONOCOPHILLIPS COMPANY

Address: P O BOX 2197, WL3 4066

HOUSTON, TX 77252

Phone: 1-(832)-486-2329

Account No. N2335

CA No.**Unit:****DRUNKARDS WASH****WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
TELONIS 21-90	21-14S-09E	43-007-30328	11256	FEE	GW	P
TELONIS 21-153	21-14S-09E	43-007-30329	11256	FEE	GW	P
USA 21-184	21-14S-09E	43-007-30424	11256	FEDERAL	GW	P
USA 21-35	21-14S-09E	43-007-30425	11256	FEDERAL	GW	P
TELONIS 22-189	22-14S-09E	43-007-30266	11256	FEE	GW	P
UTAH 22-76	22-14S-09E	43-007-30251	11256	STATE	GW	P
USA 22-185	22-14S-09E	43-007-30426	11256	FEDERAL	GW	P
USA 22-186	22-14S-09E	43-007-30477	11256	FEDERAL	GW	P
UTAH 23-4-20	23-14S-09E	43-007-30194	11256	STATE	GW	P
UTAH 23-14-21	23-14S-09E	43-007-30200	11256	STATE	GW	P
UTAH 23-9-22	23-14S-09E	43-007-30201	11256	STATE	GW	P
UTAH 23-2-19	23-14S-09E	43-007-30207	11256	STATE	GW	P
UTAH 24-12-17	24-14S-09E	43-007-30208	11256	STATE	GW	P
UTAH 24-3-16	24-14S-09E	43-007-30187	11256	STATE	GW	P
UTAH 24-01-15	24-14S-09E	43-007-30191	11256	STATE	GW	P
UTAH 24-16-18	24-14S-09E	43-007-30192	11256	STATE	GW	P
ST OF UT 25-9-1	25-14S-09E	43-007-30130	11256	STATE	GW	P
UTAH 25-7-6	25-14S-09E	43-007-30156	11256	STATE	GW	P
UTAH 25-11-7	25-14S-09E	43-007-30157	11256	STATE	GW	P
UTAH 25-4-33	25-14S-09E	43-007-30206	11256	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/08/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/08/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/03/2003
- Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
- If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 01/14/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/14/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/07/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/07/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 8140-60-24

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 8015-16-69

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6196922
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS: